

10/513699

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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	3	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	4	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	5	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	6	JUN 25	CA/CAPplus and USPAT databases updated with IPC reclassification data
NEWS	7	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	8	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	9	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	10	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	11	JUL 28	CA/CAPplus patent coverage enhanced
NEWS	12	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS	13	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	14	JUL 28	STN Viewer performance improved
NEWS	15	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	16	AUG 13	CA/CAPplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS	17	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	18	AUG 15	CAPplus currency for Korean patents enhanced
NEWS	19	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS	20	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS	21	SEP 25	CA/CAPplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS	22	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and Korean patents enhanced
NEWS	23	SEP 29	IFICLS enhanced with new super search field
NEWS	24	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS	25	SEP 30	CAS patent coverage enhanced to include exemplified

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			prophetic substances identified in new Japanese-language patents
NEWS 26	OCT 07		EPFULL enhanced with full implementation of EPC2000
NEWS 27	OCT 07		Multiple databases enhanced for more flexible patent number searching
NEWS EXPRESS	JUNE 27 08	CURRENT WINDOWS VERSION IS V8.3,	
		AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.	
NEWS HOURS		STN Operating Hours Plus Help Desk Availability	
NEWS LOGIN		Welcome Banner and News Items	
NEWS IPC8		For general information regarding STN implementation of IPC 8	

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 18:14:34 ON 07 OCT 2008  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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STRUCTURE FILE UPDATES:      6 OCT 2008   HIGHEST RN 1057750-28-3
DICTIONARY FILE UPDATES:    6 OCT 2008   HIGHEST RN 1057750-28-3
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

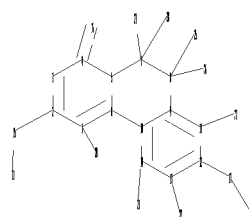
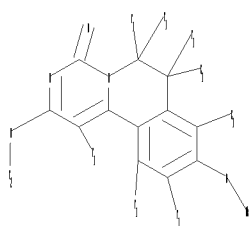
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

 $\Rightarrow$

10/513699

Uploading C:\Program Files\Stnexp\Queries\10564123new.str



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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
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ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 9-11 10-14 11-12 12-13
13-14
exact/norm bonds :
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8-25 8-26 11-23 12-17 13-22 14-21 15-31 17-18
normalized bonds :
9-10 9-11 10-14 11-12 12-13 13-14
isolated ring systems :
containing 1 :
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G1:C,H

G2:H,N,Ak

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS
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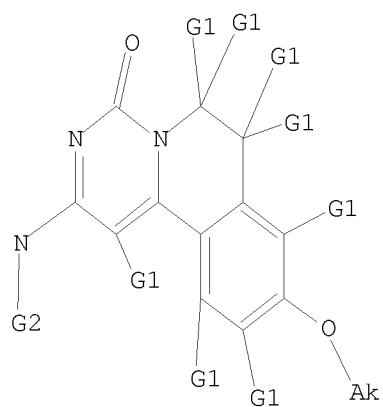
10/513699

L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



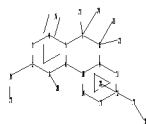
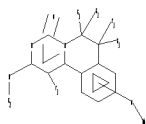
G1 C, H

G2 H, N, Ak

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :  
15 16 17 18 20 21 22 23 24 27  
ring nodes :  
1 2 3 4 5 6 7 8 9 10 11 12 13 14  
chain bonds :  
1-20 2-15 4-16 7-23 7-24 8-21 8-22 15-27 17-18  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 9-11 10-14 11-12 12-13  
13-14  
exact/norm bonds :  
1-2 1-6 1-20 2-3 2-15 3-4 4-5 4-16 5-6 5-7 6-10 7-8 7-23 7-24 8-9  
8-21 8-22 15-27 17-18  
normalized bonds :  
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isolated ring systems :  
containing 1 :

G1:C,H

G2:H,N,Ak

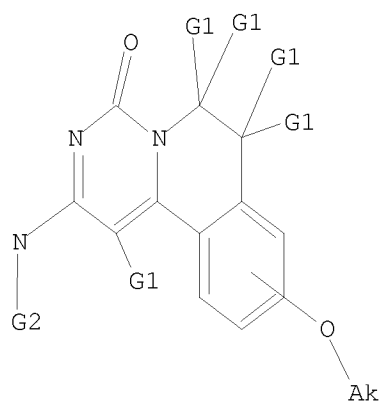
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20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 27:CLASS 28:Atom

L2 STRUCTURE UPLOADED

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L2 HAS NO ANSWERS

L2 STR



G1 C,H

G2 H,N,Ak

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Structure attributes must be viewed using STN Express query preparation.

=> s l2 full

FULL SEARCH INITIATED 18:16:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1013 TO ITERATE

100.0% PROCESSED 1013 ITERATIONS

392 ANSWERS

SEARCH TIME: 00.00.01

L3 392 SEA SSS FUL L2

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.74

180.16

FILE 'CAPLUS' ENTERED AT 18:16:41 ON 07 OCT 2008

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FILE COVERS 1907 - 7 Oct 2008 VOL 149 ISS 15

FILE LAST UPDATED: 6 Oct 2008 (20081006/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s l3 full

L4 14 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:71068 CAPLUS

DOCUMENT NUMBER: 142:150832

TITLE: Novel inhibitors of mammalian YAK3 and/or MAPKAP-2 kinases for treating various disorders

INVENTOR(S): Sato, Hideyuki; Takada, Mio; Washio, Yoshiaki

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007092	A2	20050127	WO 2004-US21701	20040707
WO 2005007092	A3	20050609		
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1641766	A2	20060405	EP 2004-777657	20040707
R: LT, LV, HR				
JP 2007525475	T	20070906	JP 2006-518862	20040707
US 20060178384	A1	20060810	US 2006-564123	20060106
PRIORITY APPLN. INFO.:			US 2003-485365P	P 20030708
			WO 2004-US21701	W 20040707

OTHER SOURCE(S): CASREACT 142:150832; MARPAT 142:150832

AB This invention relates to newly identified inhibitors of YAK3 and/or MAPKAP-2 (MK2) kinases in mammal for treating various disorders, i.e.: neutropenia; cytopenia; anemias, including anemias due to renal insufficiency or to a chronic disease, such as autoimmunity or cancer, and drug-induced anemias; polycythemia; myelosuppression; rheumatoid arthritis; COPD; asthma; psoriasis; acute neuronal injury; heart failure; stroke, osteoarthritis; and ischemia reperfusion injury. Preparation of various inhibitors of YAK3 and/or MK2 kinases is described.

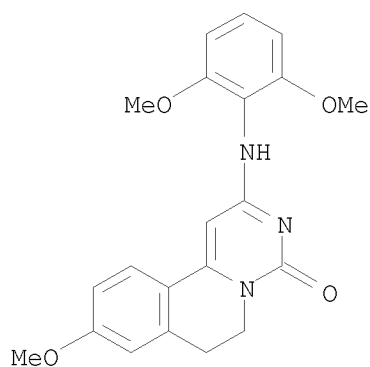
IT 830358-16-2P

RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(novel inhibitors of mammalian YAK3 and/or MAPKAP-2 kinases for treating various disorders)

RN 830358-16-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethoxyphenyl)amino]-6,7-dihydro-9-methoxy- (CA INDEX NAME)

10/513699



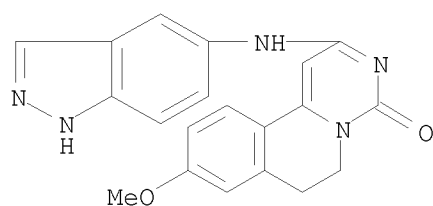
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830358-38-8P 830358-39-9P 830358-40-2P  
830358-41-3P 830358-42-4P 830358-43-5P  
830358-44-6P 830358-45-7P 830358-46-8P  
830358-47-9P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(novel inhibitors of mammalian YAK3 and/or MAPKAP-2 kinases for treating various disorders)

RN 830358-17-3 CAPLUS

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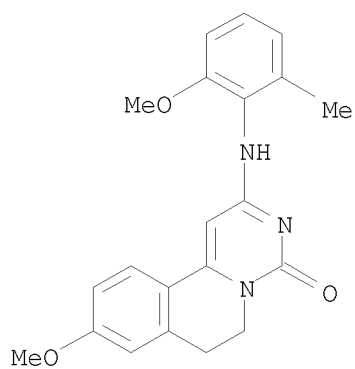


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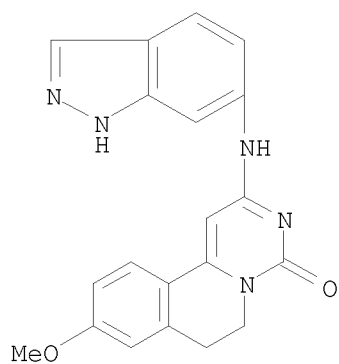


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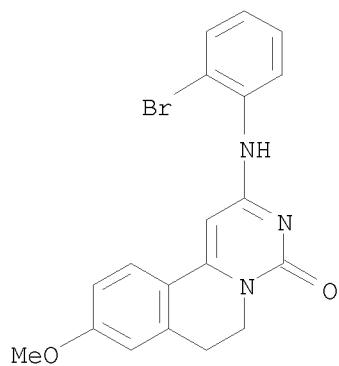
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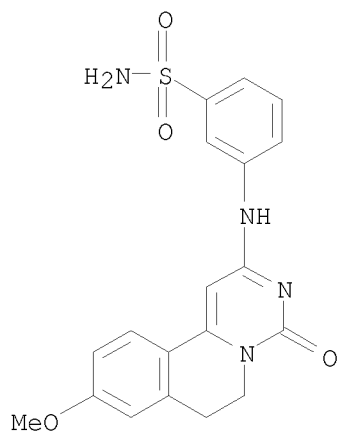
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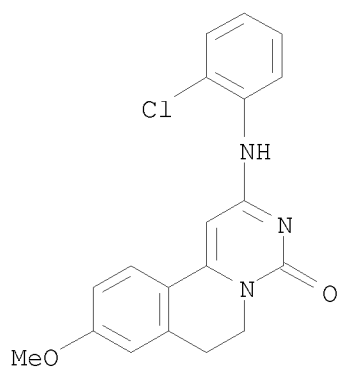
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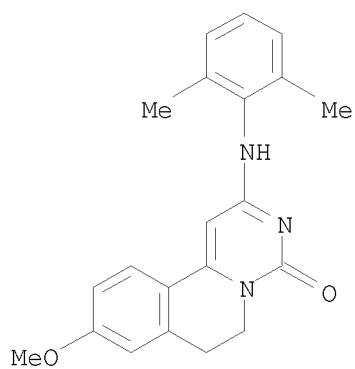
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RN 830358-23-1 CAPLUS

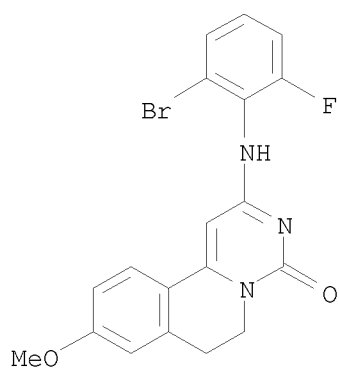
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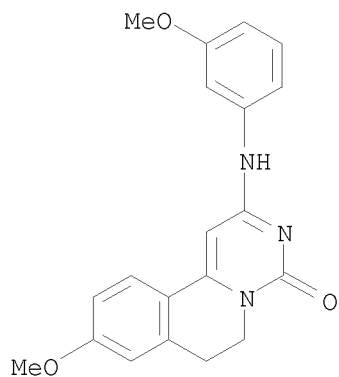
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RN 830358-25-3 CAPLUS

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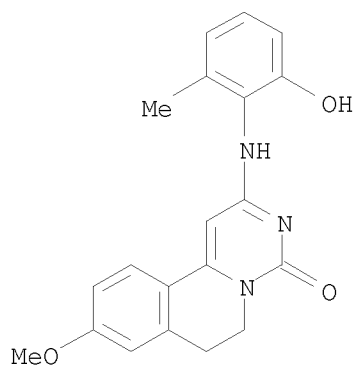
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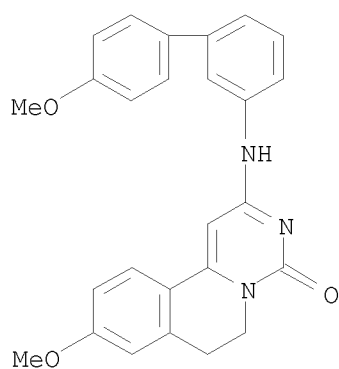
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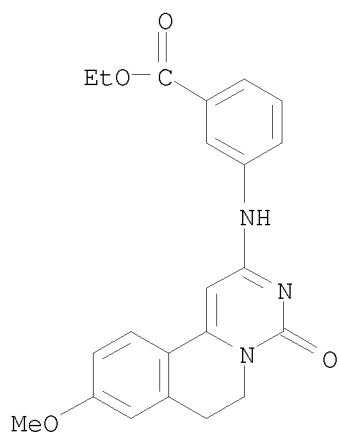
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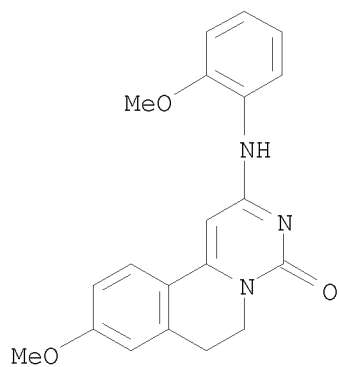
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10/513699



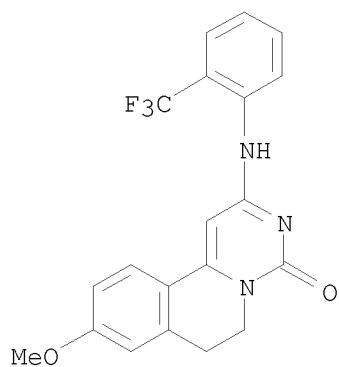
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RN 830358-30-0 CAPLUS

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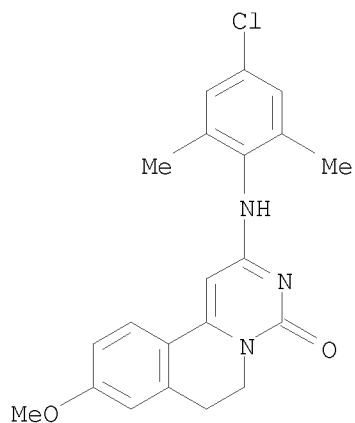
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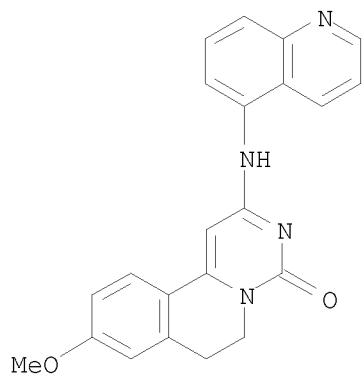
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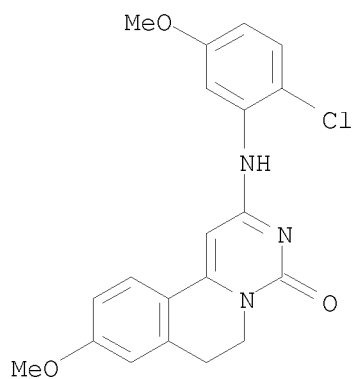
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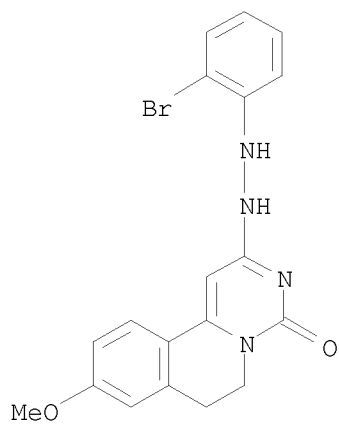
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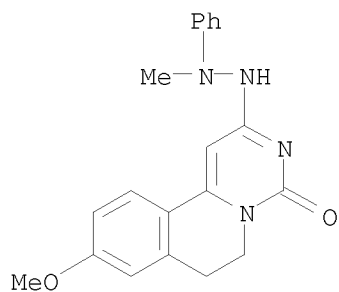
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RN 830358-35-5 CAPLUS

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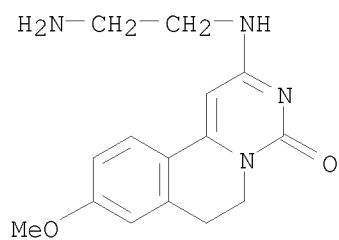


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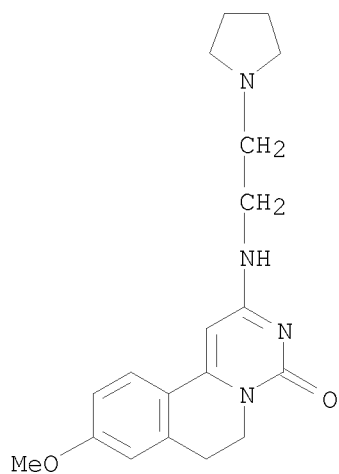
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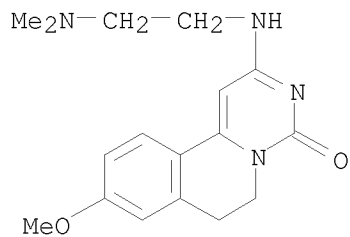
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CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9-methoxy-2-[[2-(1-pyrrolidinyl)ethyl]amino]- (CA INDEX NAME)



RN 830358-38-8 CAPLUS

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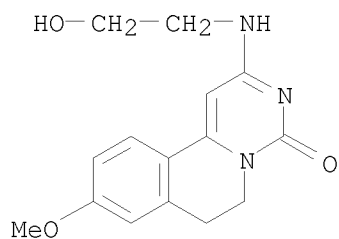


RN 830358-39-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[(2-hydroxyethyl)amino]-9-methoxy- (CA INDEX NAME)

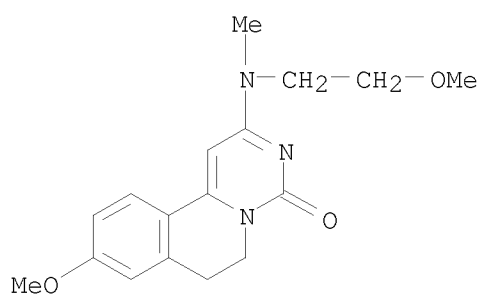


10/513699



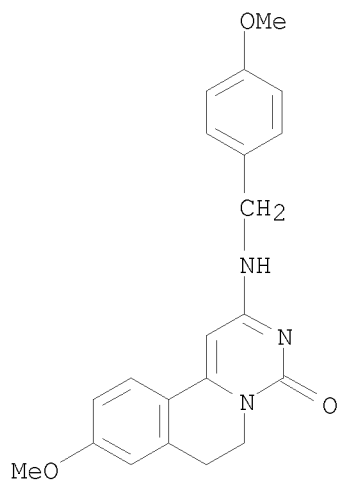
RN 830358-40-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9-methoxy-2-[(2-methoxyethyl)methylamino]- (CA INDEX NAME)



RN 830358-41-3 CAPLUS

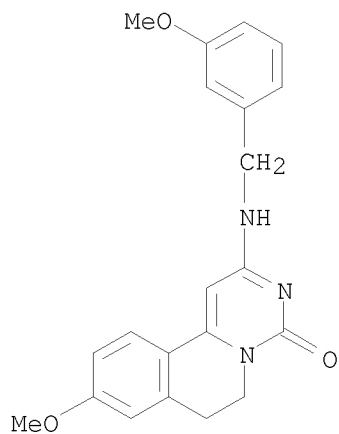
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9-methoxy-2-[[ (4-methoxyphenyl)methyl]amino]- (CA INDEX NAME)



RN 830358-42-4 CAPLUS

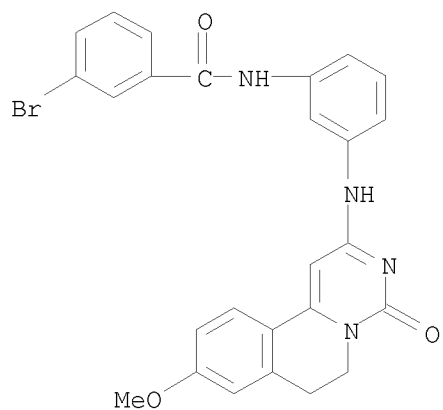
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9-methoxy-2-[[ (3-methoxyphenyl)methyl]amino]- (CA INDEX NAME)

10/513699



RN 830358-43-5 CAPLUS

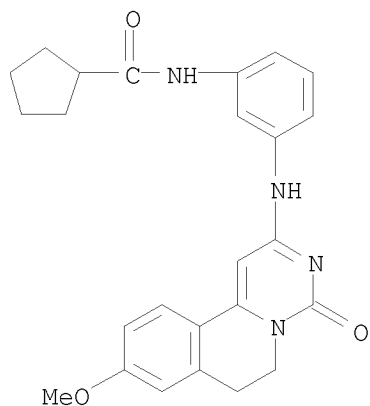
CN Benzamide, 3-bromo-N-[3-[(6,7-dihydro-9-methoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)amino]phenyl]- (CA INDEX NAME)



RN 830358-44-6 CAPLUS

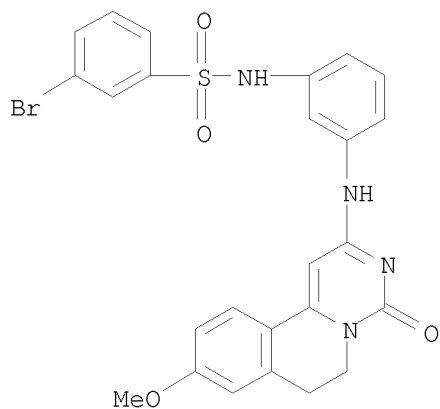
CN Cyclopentanecarboxamide, N-[3-[(6,7-dihydro-9-methoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)amino]phenyl]- (CA INDEX NAME)

10/513699



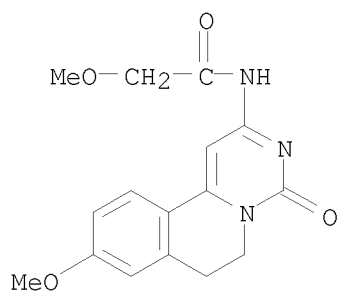
RN 830358-45-7 CAPLUS

CN Benzenesulfonamide, 3-bromo-N-[3-[(6,7-dihydro-9-methoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)amino]phenyl]- (CA INDEX NAME)



RN 830358-46-8 CAPLUS

CN Acetamide, N-(6,7-dihydro-9-methoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)-2-methoxy- (CA INDEX NAME)

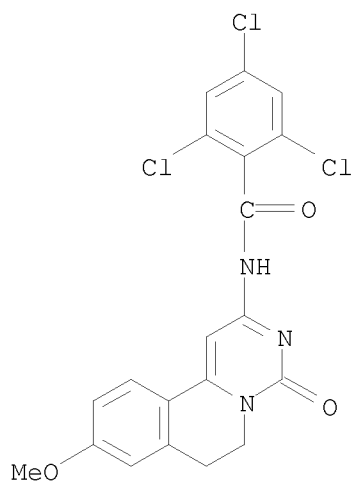


RN 830358-47-9 CAPLUS

CN Benzamide, 2,4,6-trichloro-N-(6,7-dihydro-9-methoxy-4-oxo-4H-pyrimido[6,1-

10/513699

a]isoquinolin-2-yl)- (CA INDEX NAME)



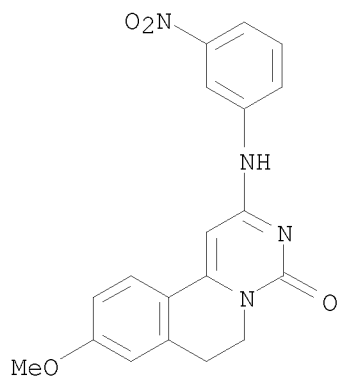
IT 830358-50-4P 830358-51-5P 830358-52-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of inhibitors of YAK3 and MAPKAP-2 kinases; novel inhibitors of mammalian YAK3 and/or MAPKAP-2 kinases for treating various disorders)

RN 830358-50-4 CAPLUS

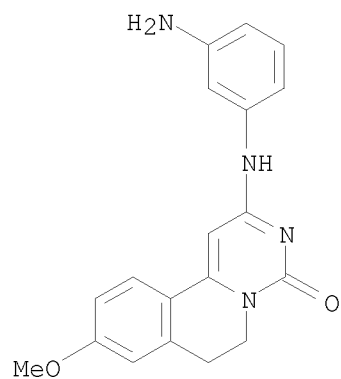
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9-methoxy-2-[(3-nitrophenyl)amino]- (CA INDEX NAME)



RN 830358-51-5 CAPLUS

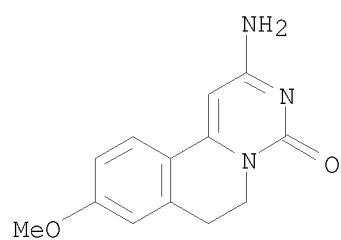
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3-aminophenyl)amino]-6,7-dihydro-9-methoxy- (CA INDEX NAME)

10/513699



RN 830358-52-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-amino-6,7-dihydro-9-methoxy- (CA  
INDEX NAME)



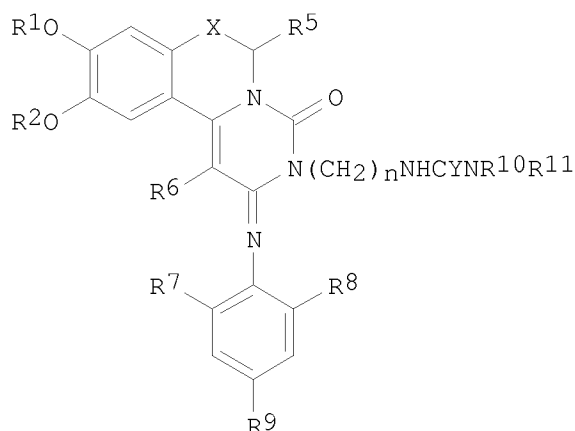
<12/04/2007>

Erich Leese

10/513699

L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2000:707163 CAPLUS  
DOCUMENT NUMBER: 133:266869  
TITLE: Preparation of 2-aryliminopyrimido[6,1-a]isoquinolin-4-ones as phosphodiesterase inhibitors.  
INVENTOR(S): Oxford, Alexander William; Jack, David  
PATENT ASSIGNEE(S): Vanguard Medica Ltd., UK  
SOURCE: PCT Int. Appl., 77 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

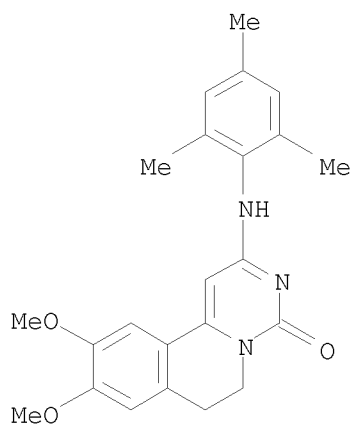
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000058308	A1	20001005	WO 2000-GB1193	20000329
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NZ 514158	A	20000329	NZ 2000-514158	20000329
CA 2368413	A1	20001005	CA 2000-2368413	20000329
CA 2368413	C	20080729		
AU 2000041274	A	20001016	AU 2000-41274	20000329
AU 773504	B2	20040527		
EP 1165558	A1	20020102	EP 2000-920857	20000329
EP 1165558	B1	20030924		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000009446	A	20020115	BR 2000-9446	20000329
JP 2002540207	T	20021126	JP 2000-608010	20000329
AT 250602	T	20031015	AT 2000-920857	20000329
PT 1165558	T	20040227	PT 2000-920857	20000329
ES 2208310	T3	20040616	ES 2000-920857	20000329
US 20030036542	A1	20030220	US 2001-964260	20010926
US 6794391	B2	20040921		
NO 2001004728	A	20011123	NO 2001-4728	20010928
MX 2001PA09846	A	20030624	MX 2001-PA9846	20010928
US 20040171828	A1	20040902	US 2004-786650	20040224
US 7105663	B2	20060912		
US 20040176353	A1	20040909	US 2004-786400	20040224
US 7378424	B2	20080527		
US 20080206163	A1	20080828	US 2008-150232	20080424
PRIORITY APPLN. INFO.:			GB 1999-7454	A 19990331
			GB 1999-9802	A 19990428
			WO 2000-GB1193	W 20000329
			US 2001-964260	A3 20010926
			US 2004-786400	A1 20040224
OTHER SOURCE(S):	MARPAT 133:266869			
GI				



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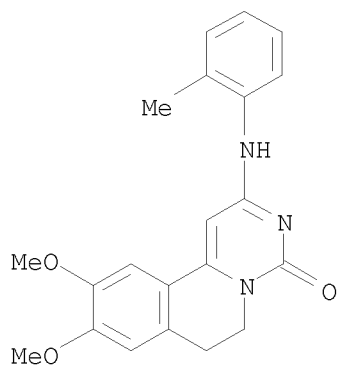
- AB Title compds. [I; R1, R2 = alkyl, acyl; R5 = H, alkyl, alkenyl, alkynyl; R6 = H, alkyl, alkenyl, alkynyl, amino, alkylamino, dialkylamino, acylamino; R7, R8 = H, halo, OH, CF3, alkyl, alkenyl, alkynyl, acyl, alkythio, alkoxy, cycloalkyl; R9 = H, halo, OH, CF3, alkyl, alkenyl, alkynyl, acyl, alkythio, alkoxy, cycloalkyl; X = OCH2, CR3R4; R3, R4 = H, alkyl; R10, R11 = H, alkyl, cycloalkyl, Ph; Y = O, CHNO2, NCN, NH, NNO2; n = 2-4], were prepared I have a longer duration of action than the known compound trequinsin (9,10-dimethoxy-3-methyl-2-mesitylimino-2,3,6,7-tetrahydro-4H--pyrimido[6,1-a]isoquinolin-4-one) and do not have trequinsin's very bitter taste. Thus, Na cyanate was added dropwise to 9,10-dimethoxy-2-(2,4,6-trimethylphenylimino)-3-(2-aminoethyl)-3,4,6,7-tetrahydro-2H-pyrimido[6,1-a]isoquinolin-4-one (preparation given) in aqueous HCl at 80° followed by stirring for 2 h to give 54% 9,10-dimethoxy-2-(2,4,6-trimethylphenylimino)-3-(N-carbamoyl-2-aminoethyl)-3,4,6,7-tetrahydro-2H-pyrimido[6,1-a]isoquinolin-4-one(II). II inhibited PDE3 with IC50 = 0.46  $\mu$ M and was tasteless.
- IT 76536-66-8P 214358-62-0P 298680-43-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of 2-aryliminopyrimido[6,1-a]isoquinolin-4-ones as phosphodiesterase inhibitors)
- RN 76536-66-8 CAPLUS
- CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



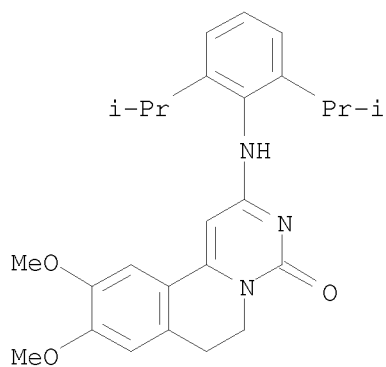
RN 214358-62-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2-methylphenyl)amino]- (CA INDEX NAME)



RN 298680-43-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2,6-bis(1-methylethyl)phenyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



<12/04/2007>

Erich Leese



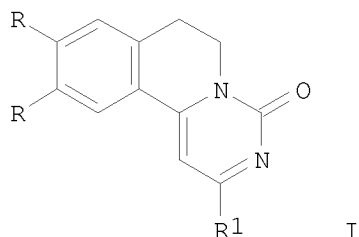
10/513699

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:682390 CAPLUS  
 DOCUMENT NUMBER: 129:302652  
 ORIGINAL REFERENCE NO.: 129:61739a,61742a  
 TITLE: Pyrimidoisoquinoline compounds with anticonvulsive action  
 INVENTOR(S): Orlek, Barry Sidney; Ainsworth, Peter  
 PATENT ASSIGNEE(S): Smithkline Beecham Plc, UK  
 SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

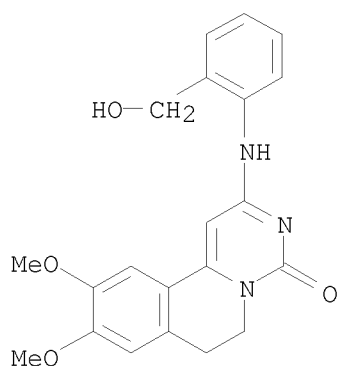
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9845293	A1	19981015	WO 1998-EP2139	19980403
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2286452	A1	19981015	CA 1998-2286452	19980403
EP 973773	A1	20000126	EP 1998-919259	19980403
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 2001519798	T	20011023	JP 1998-542409	19980403
PRIORITY APPLN. INFO.:			GB 1997-7251	A 19970410
			WO 1998-EP2139	W 19980403
OTHER SOURCE(S):		MARPAT 129:302652		
GI				



AB Title compds. I (R = H, MeO; R1 = 3,5-dichlorophenylamino, 2-anisidino, 2-toluidino, 3-chlorophenylamino, 2-iodophenylamino, 2-isopropylphenylamino, 2,4-dimethoxyphenylamino, N-methylanilino, cyclopentylamino, benzylamino, PhNH, 2-acetylphenylamino, 2-hydroxymethylphenylamino, 2-phenylcarbonyloxymethylphenylamino, benzamido, 3-chlorobenzamido, 2-methoxybenzamido) were primarily prepared by amination of I (R1 = Cl) with amines.  
 IT 214358-70-0P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and anticonvulsive activity of aminodihydropyrimidoisoquinolines)  
 RN 214358-70-0 CAPLUS  
 CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[[2-

10/513699

(hydroxymethyl)phenyl]amino]-9,10-dimethoxy- (CA INDEX NAME)



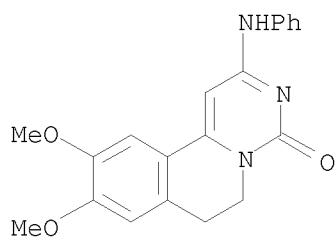
IT 76536-41-9P 76536-42-0P 214358-60-8P  
214358-61-9P 214358-62-0P 214358-63-1P  
214358-64-2P 214358-65-3P 214358-66-4P  
214358-67-5P 214358-68-6P 214358-69-7P  
214358-71-1P 214358-74-4P 214358-75-5P  
214358-76-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and anticonvulsive activity of aminodihydropyrimidoisoquinolones)

RN 76536-41-9 CAPLUS

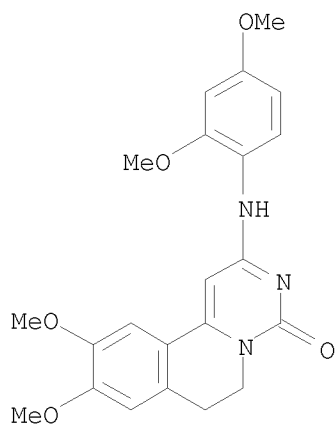
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(phenylamino)- (CA INDEX NAME)



RN 76536-42-0 CAPLUS

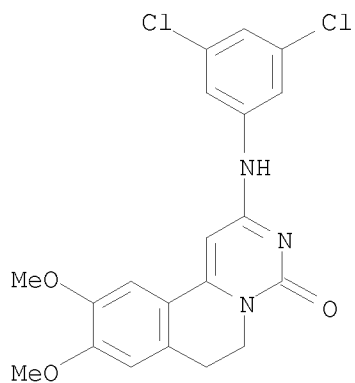
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



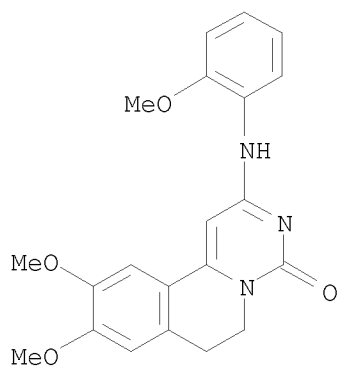
RN 214358-60-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 214358-61-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2-methoxyphenyl)amino]- (CA INDEX NAME)



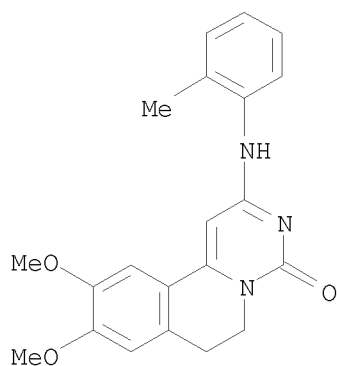
<12/04/2007>

Erich Leese

10/513699

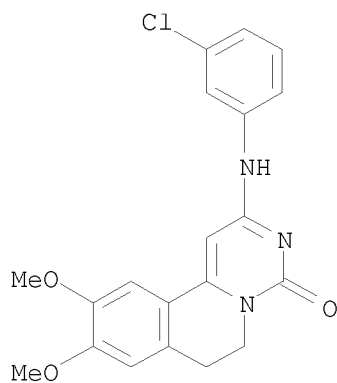
RN 214358-62-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2-methylphenyl)amino]- (CA INDEX NAME)



RN 214358-63-1 CAPLUS

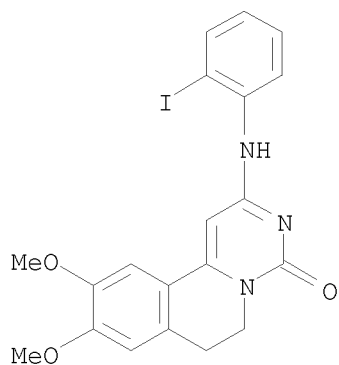
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



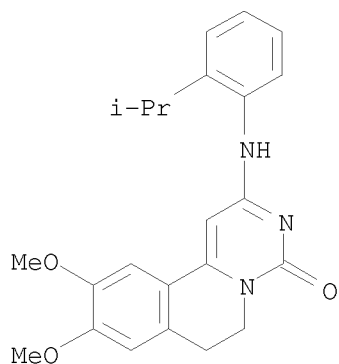
RN 214358-64-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[(2-iodophenyl)amino]-9,10-dimethoxy- (CA INDEX NAME)

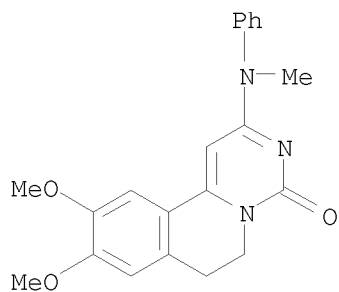
10/513699



RN 214358-65-3 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[2-(1-methylethyl)phenyl]amino]- (CA INDEX NAME)

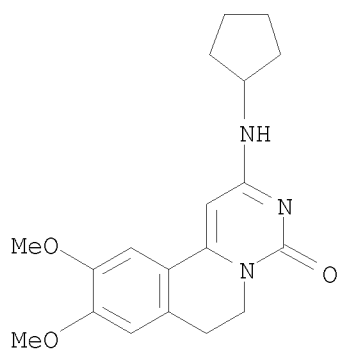


RN 214358-66-4 CAPLUS  
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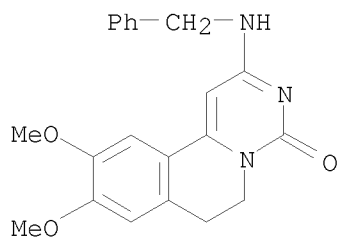


RN 214358-67-5 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclopentylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

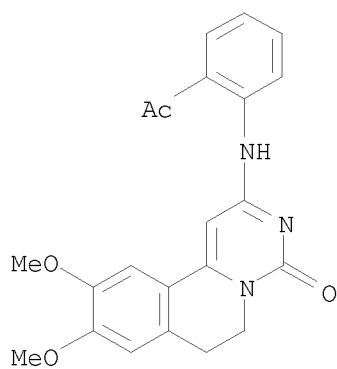
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RN 214358-68-6 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(phenylmethyl)amino]- (CA INDEX NAME)

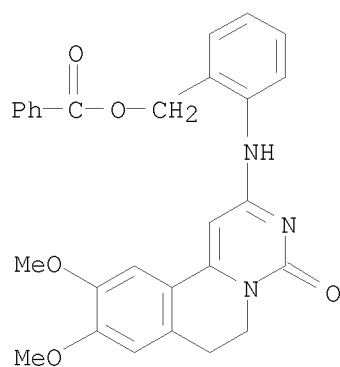


RN 214358-69-7 CAPLUS  
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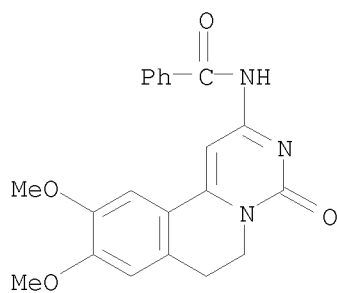
RN 214358-71-1 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-[(benzoyloxy)methyl]phenyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



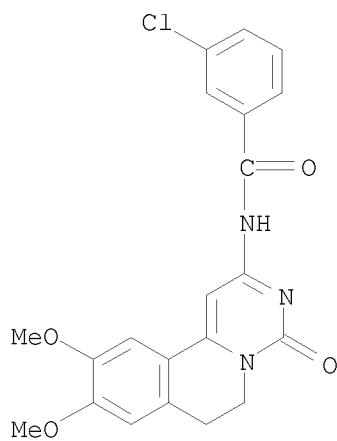
RN 214358-74-4 CAPLUS

CN Benzamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)- (CA INDEX NAME)



RN 214358-75-5 CAPLUS

CN Benzamide, 3-chloro-N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)- (CA INDEX NAME)



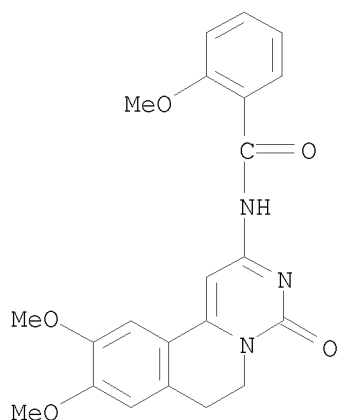
RN 214358-76-6 CAPLUS

CN Benzamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-

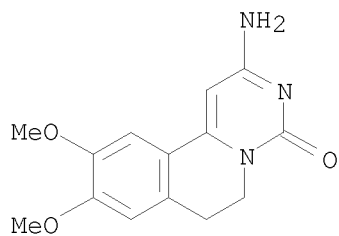


10/513699

a]isoquinolin-2-yl)-2-methoxy- (CA INDEX NAME)



IT 214358-77-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and anticonvulsive activity of aminodihydropyrimidoisoquinolino  
nes)  
RN 214358-77-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-amino-6,7-dihydro-9,10-dimethoxy-  
(CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:234867 CAPLUS  
 DOCUMENT NUMBER: 114:234867  
 ORIGINAL REFERENCE NO.: 114:39507a,39510a  
 TITLE: Pharmaceutical compositions comprising labdane  
 diterpenoid derivatives and pyrimido(6,1-a)  
 isoquinolin-4-one derivatives and their use  
 INVENTOR(S): Lal, Bansil; Blumbach, Juergen; Dohadwalla, Alihussein  
 Nomanbhai; De Souza, Noel John  
 PATENT ASSIGNEE(S): Hoechst A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 15 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 370379	A1	19900530	EP 1989-121171	19891116
EP 370379	B1	19920909		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 80283	T	19920915	AT 1989-121171	19891116
CA 2003306	A1	19900519	CA 1989-2003306	19891117
DK 8905785	A	19900520	DK 1989-5785	19891117
NO 8904594	A	19900521	NO 1989-4594	19891117
AU 8944797	A	19900621	AU 1989-44797	19891117
AU 633030	B2	19930121		
JP 02188517	A	19900724	JP 1989-297791	19891117
ZA 8908782	A	19900829	ZA 1989-8782	19891117
US 5141942	A	19920825	US 1989-437892	19891117
PRIORITY APPLN. INFO.:			EP 1988-119255	A 19881119
			EP 1989-121171	A 19891116

OTHER SOURCE(S): MARPAT 114:234867

AB The title compns. can be used for treatment of androgenetic alopecia,  
 alopecia areata, and alopecia totalis. A solution contained trequinsin (I)  
 1, forskolin (II) 1 g, propylene glycol 40, and EtOH 100 mL. A solution  
 containing I and II 1% each stimulated hair growth compared to solvent alone  
 in male and female rabbits.

IT 76536-21-5 76536-65-7 76536-67-9  
 83070-40-0 128126-53-4 128126-54-5

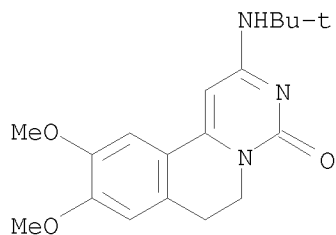
RL: BIOL (Biological study)

(labdane diterpenoids and, as hair growth stimulants)

RN 76536-21-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-  
 dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

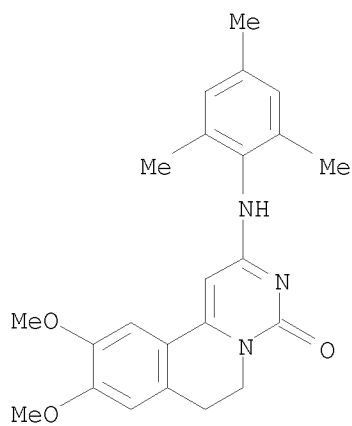
10/513699



● HCl

RN 76536-65-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

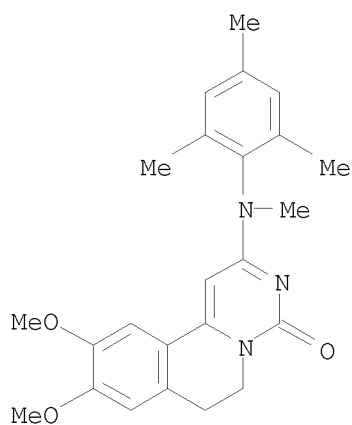


● HCl

RN 76536-67-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

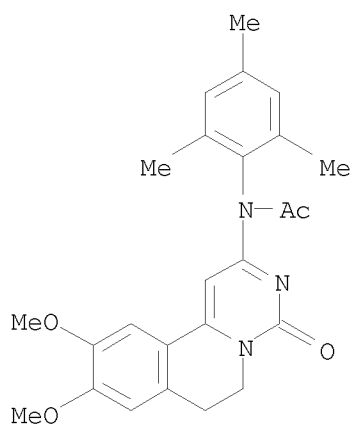
10/513699



● HCl

RN 83070-40-0 CAPLUS

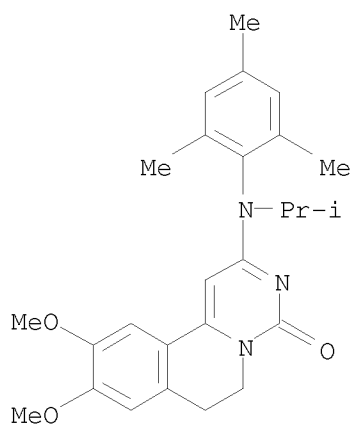
CN Acetamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)-N-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 128126-53-4 CAPLUS

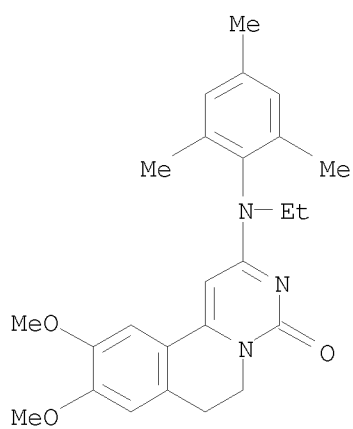
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

RN 128126-54-5 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[ethyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:497871 CAPLUS

DOCUMENT NUMBER: 113:97871

ORIGINAL REFERENCE NO.: 113:16545a,16548a

TITLE: A novel base-catalyzed carbon-nitrogen bond fission in some heterocycles

AUTHOR(S): Lal, Bansi; Gidwani, Ramesh M.; De Souza, Noel J.

CORPORATE SOURCE: Hoechst Cent. Basic Res., Hoechst India Ltd., Mulund, 400 080, India

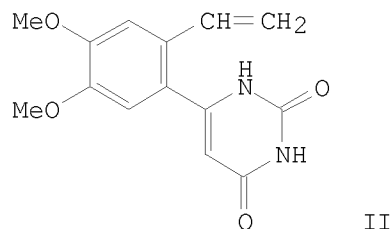
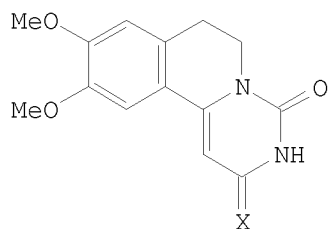
SOURCE: Journal of Organic Chemistry (1990), 55(17), 5117-24  
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 113:97871

GI



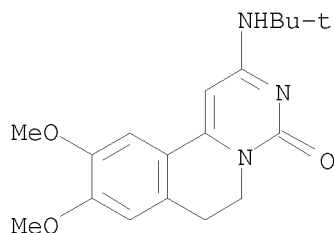
AB N heterocycles bearing a nonbasic N atom and other defined structural features as exemplified by 9,10-dimethoxy-3,4,6,7-tetrahydro-2H-pyrimido[6,1-a]isoquinoline-2,4-dione (I), 8-oxypseudopalmitine, 8-oxypseudoberberine, rutaecarpine, and related systems, on heating with excess NaH in polar aprotic solvents, undergo a facile C-N bond cleavage reaction to give new N heterocycles with an arylvinyl group as one of the substituents. The nature, scope, postulated mechanism, and limitations of this novel C-N bond cleavage reaction are described. Thus, cleavage of I with NaH in DMF gave vinyl derivative 50% II.

IT 76536-74-8 91210-08-1

RL: RCT (Reactant); RACT (Reactant or reagent)  
(base-catalyzed carbon-nitrogen bond cleavage of)

RN 76536-74-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

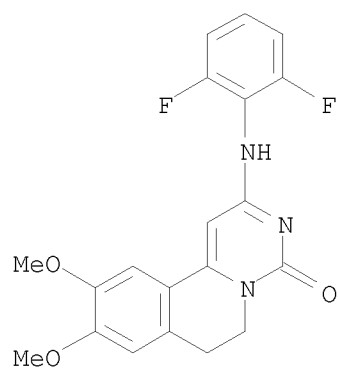


RN 91210-08-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)amino]-6,7-

10/513699

dihydro-9,10-dimethoxy- (CA INDEX NAME)



<12/04/2007>

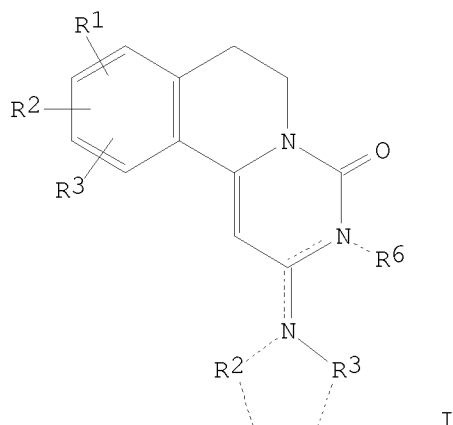
Erich Leese

10/513699

L4 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:446096 CAPLUS  
DOCUMENT NUMBER: 113:46096  
ORIGINAL REFERENCE NO.: 113:7729a,7732a  
TITLE: Pyrimido[6,1-a]isoquinolin-4-one derivatives as hair growth stimulants  
INVENTOR(S): Rupp, Richard Helmut; Lal, Bansi  
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.  
SOURCE: Ger. Offen., 7 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3816995	A1	19891123	DE 1988-3816995	19880519
EP 342617	A2	19891123	EP 1989-108798	19890517
EP 342617	A3	19900404		
EP 342617	B1	19930728		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5141936	A	19920825	US 1989-353280	19890517
AT 91881	T	19930815	AT 1989-108798	19890517
ES 2058382	T3	19941101	ES 1989-108798	19890517
DK 8902420	A	19891120	DK 1989-2420	19890518
JP 02017119	A	19900122	JP 1989-123015	19890518
PRIORITY APPLN. INFO.:			DE 1988-3816995	A 19880519
			EP 1989-108798	A 19890517
OTHER SOURCE(S):	MARPAT 113:46096			
GI				



AB The title compds. I [R1, R4, R5 = H, OH, alkoxy, etc.; R2, R3 =H, OH, alkyl, (un)substituted NH2, etc.; NR2R3 = heterocyclyl; R6 = H, alkyl, cycloalkyl, (un)substituted alkyl, etc.] and I salts are hair growth stimulants and agents for the treatment of alopecia. Repeated topical



10/513699

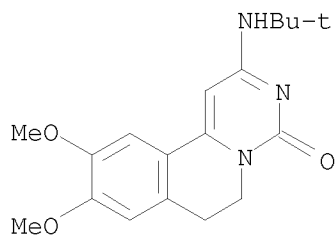
application of 2% trequinsin solution stimulated hair growth in rabbits. A lotion comprised trequinsin 30, propylene glycol 250 and water to 1000 g.

IT 76536-21-5 76536-65-7 76536-67-9  
83070-40-0 128126-53-4 128126-54-5

RL: BIOL (Biological study)  
(hair growth stimulant)

RN 76536-21-5 CAPLUS

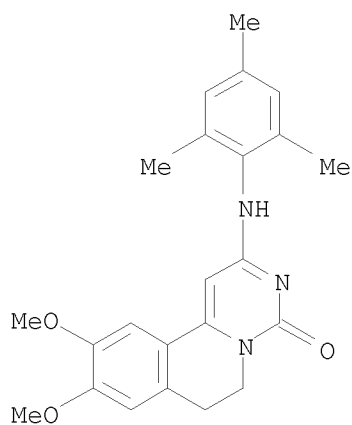
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-65-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

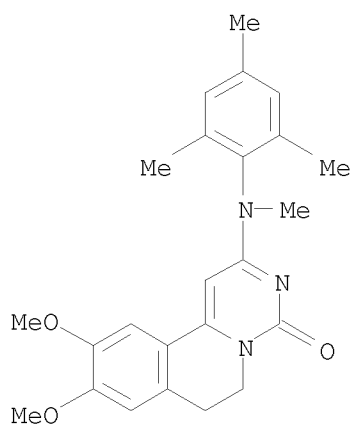


● HCl

RN 76536-67-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

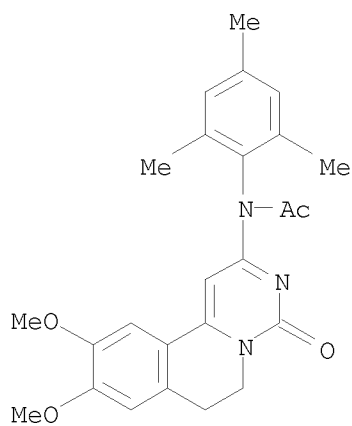
10/513699



● HCl

RN 83070-40-0 CAPLUS

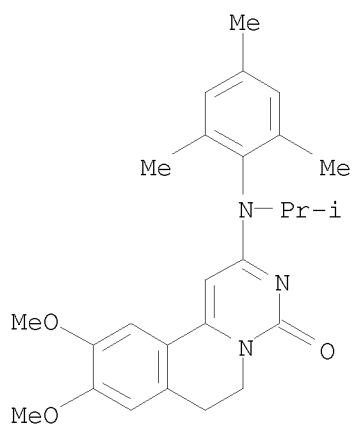
CN Acetamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)-N-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 128126-53-4 CAPLUS

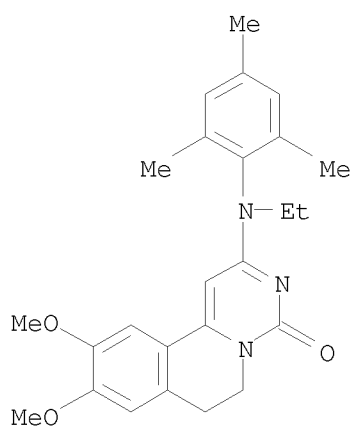
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

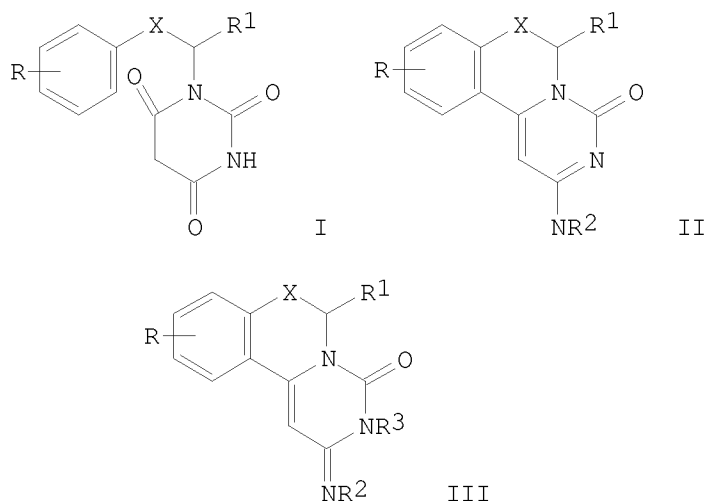
RN 128126-54-5 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[ethyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L4 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

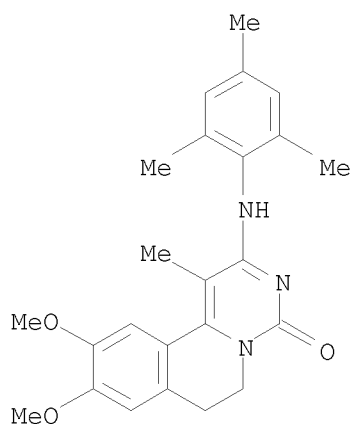
ACCESSION NUMBER: 1987:407170 CAPLUS  
 DOCUMENT NUMBER: 107:7170  
 ORIGINAL REFERENCE NO.: 107:1323a,1326a  
 TITLE: Synthesis of 6,7-dihydro-2H-pyrimido[6,1-a]isoquinolin-4(3H)-ones and analogous compounds and their activity as blood platelet aggregation inhibitors  
 AUTHOR(S): Kienzle, Frank; Bounameaux, Yves; Minder, Rudolf E.; Muggli, Reto  
 CORPORATE SOURCE: Pharm. Forschungsabt., F. Hoffmann-La Roche und Co., A.-G., Basel, CH-4002, Switz.  
 SOURCE: Helvetica Chimica Acta (1986), 69(7), 1671-80  
 CODEN: HCACAV; ISSN: 0018-019X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 OTHER SOURCE(S): CASREACT 107:7170  
 GI



AB Reaction of  $\text{RC}_6\text{H}_4\text{XCHR}_1\text{NH}_2$  [ $\text{R}$  = alkyl, aryl;  $\text{X}$  = (un)substituted  $\text{CH}_2$ ,  $\text{NH}$ ,  $\text{OCH}_2$ ;  $\text{R}_1$  =  $\text{H}$ , alkyl] with  $\text{NaOCN}$  gave  $\text{RC}_6\text{H}_4\text{XCHR}_1\text{NHCONH}_2$  which were cyclized with  $\text{CH}_2(\text{CO}_2\text{Et})_2$  to give phenylalkylpyrimidinetriones I. Cyclization of I with  $\text{POCl}_3$ , followed by amination gave pyrimidoisoquinolinones II ( $\text{R}_2$  = substituted Ph). Alkylation of II gave dihydropyrimidoisoquinolinones III ( $\text{R}_3$  = Me, Pr). III are powerful phosphodiesterase inhibitors and, therefore, inhibit blood-platelet aggregation independent of the agonist. III [ $\text{R}$  = 3,4-MeO,  $\text{R}_1$  = (S)-Me,  $\text{R}_2$  = 2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>,  $\text{R}_3$  = Me] at 1.0  $\mu\text{mol/kg}$  orally in rabbits inhibited blood platelet aggregation by 62%, but increased the pulse rate by 22%.  
 IT 108462-15-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (blood platelet aggregation-inhibiting activity of)  
 RN 108462-15-3 CAPLUS  
 CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-1-methyl-2-

10/513699

[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



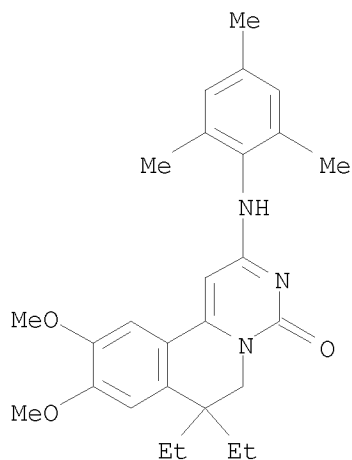
● HCl

IT 108445-86-9 108445-90-5 108445-91-6  
108445-92-7 108445-93-8 108508-92-5  
108508-93-6 108508-94-7 108508-95-8  
108508-96-9 108508-97-0 108508-98-1

RL: RCT (Reactant); RACT (Reactant or reagent)  
(methylation of)

RN 108445-86-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 7,7-diethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

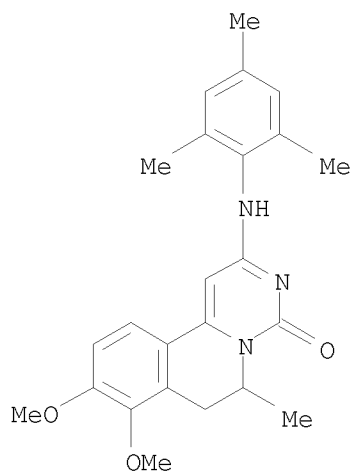
<12/04/2007>

Erich Leese

10/513699

RN 108445-90-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-8,9-dimethoxy-6-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (S)- (9CI) (CA INDEX  
NAME)

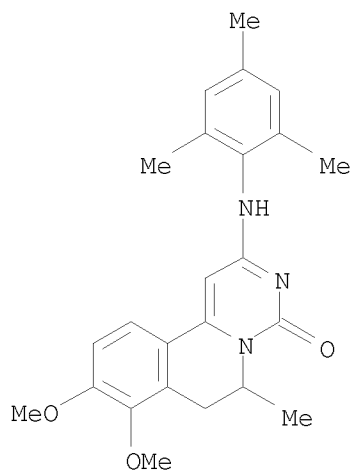


● HCl

RN 108445-91-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-8,9-dimethoxy-6-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (R)- (9CI) (CA INDEX  
NAME)

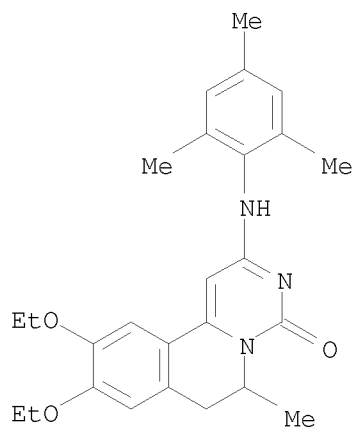
10/513699



● HCl

RN 108445-92-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 9,10-diethoxy-6,7-dihydro-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

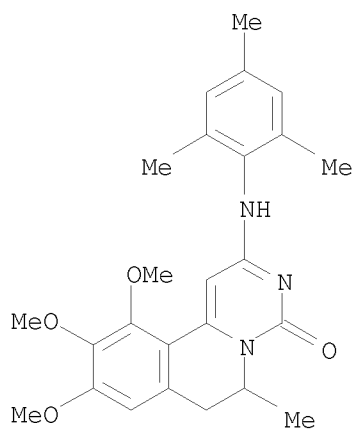


● HCl

RN 108445-93-8 CAPLUS

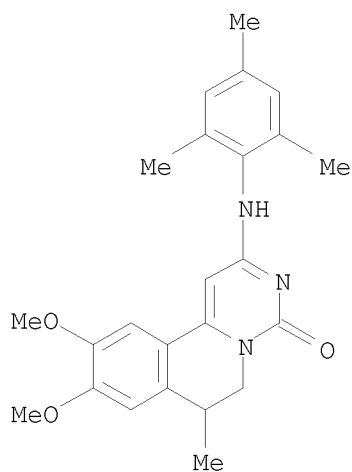
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10,11-trimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

RN 108508-92-5 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (S)- (9CI) (CA INDEX  
NAME)

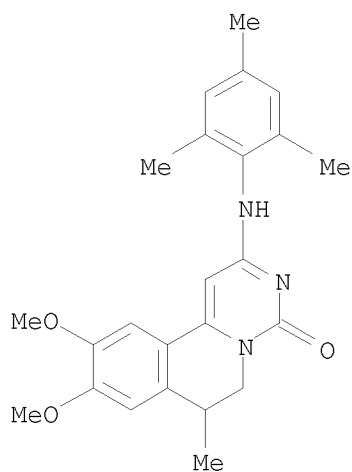


● HCl

RN 108508-93-6 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (R)- (9CI) (CA INDEX  
NAME)

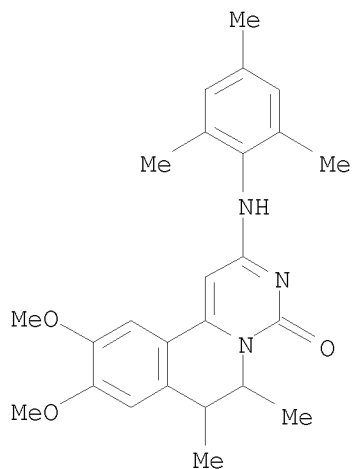


10/513699



● HCl

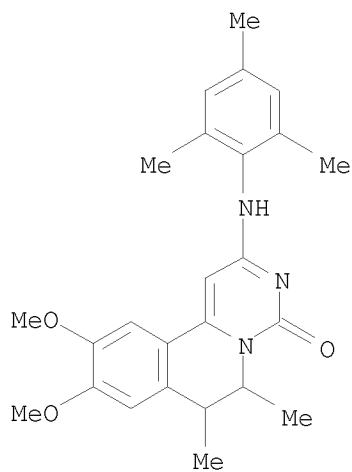
RN 108508-94-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (6R-cis)-(9CI) (CA INDEX NAME)



● HCl

RN 108508-95-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (6S-cis)-(9CI) (CA INDEX NAME)

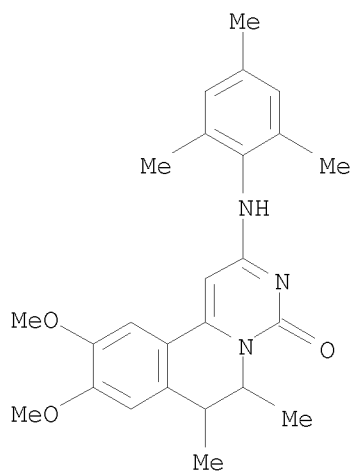
10/513699



● HCl

RN 108508-96-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (6S-trans)- (9CI) (CA INDEX NAME)



● HCl

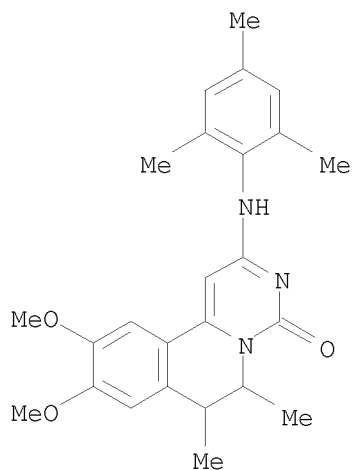
RN 108508-97-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (6R-trans)- (9CI) (CA INDEX NAME)

<12/04/2007>

Erich Leese

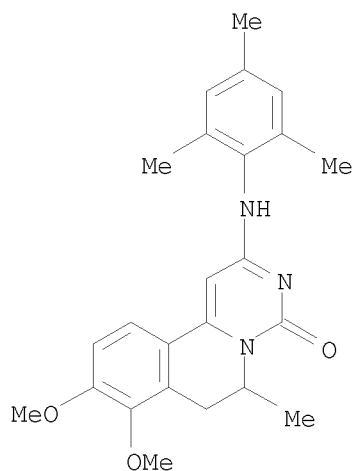
10/513699



● HCl

RN 108508-98-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-8,9-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

IT 76536-66-8P 94564-07-5P 94564-55-3P  
94564-57-5P 108446-11-3P 108446-12-4P  
108446-13-5P 108446-14-6P 108446-15-7P  
108446-23-7P 108509-01-9P

<12/04/2007>

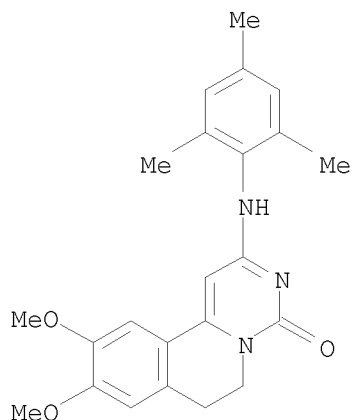
Erich Leese

10/513699

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and blood platelet aggregation-inhibiting activity of)

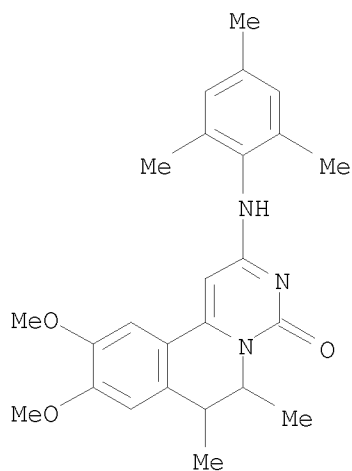
RN 76536-66-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



RN 94564-07-5 CAPLUS

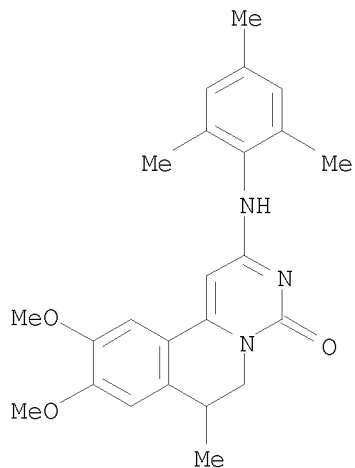
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



RN 94564-55-3 CAPLUS

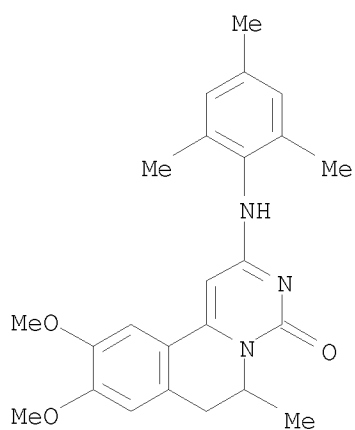
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



RN 94564-57-5 CAPLUS

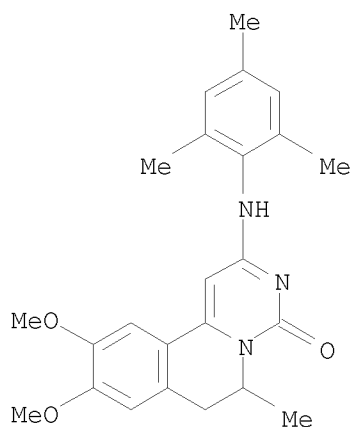
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



RN 108446-11-3 CAPLUS

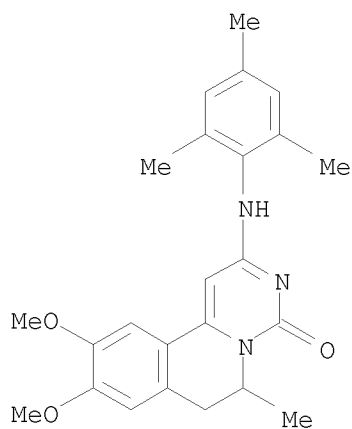
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, (S)- (9CI) (CA INDEX NAME)

10/513699



RN 108446-12-4 CAPLUS

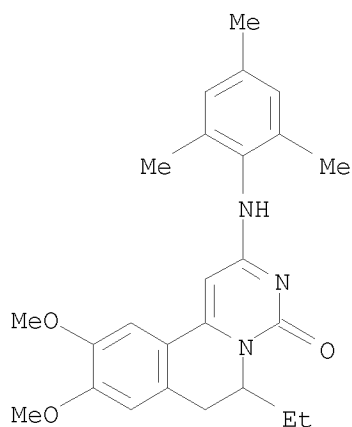
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, (R)- (9CI) (CA INDEX NAME)



RN 108446-13-5 CAPLUS

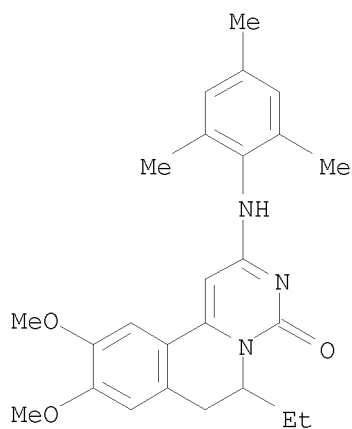
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, (S)- (9CI) (CA INDEX NAME)

10/513699



RN 108446-14-6 CAPLUS

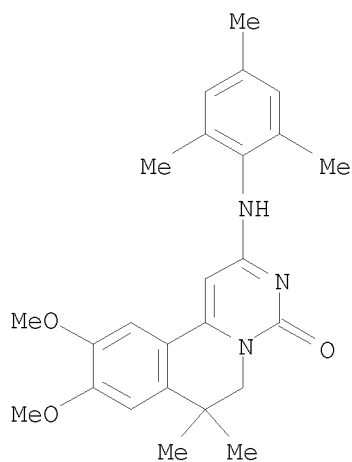
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, (R)- (9CI) (CA INDEX NAME)



RN 108446-15-7 CAPLUS

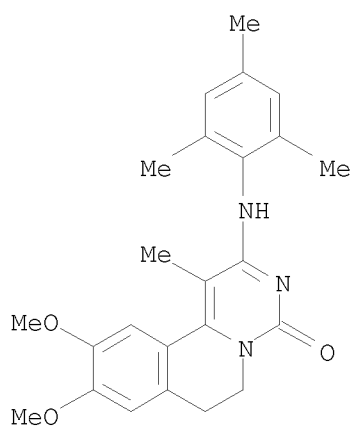
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



RN 108446-23-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-1-methyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

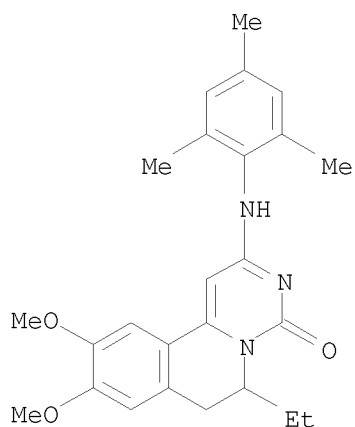


RN 108509-01-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



10/513699

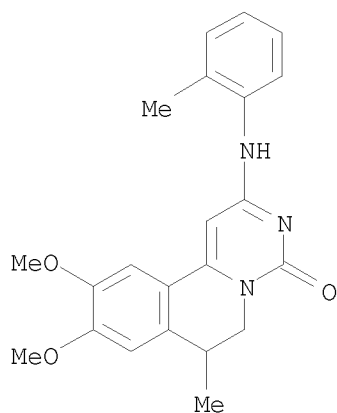


IT 108445-60-9P 108445-61-0P 108445-62-1P  
108445-63-2P 108445-64-3P 108445-65-4P  
108445-66-5P 108445-67-6P 108445-68-7P  
108445-69-8P 108445-70-1P 108445-71-2P  
108462-17-5P 108462-18-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and methylation of)

RN 108445-60-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-  
[(2-methylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

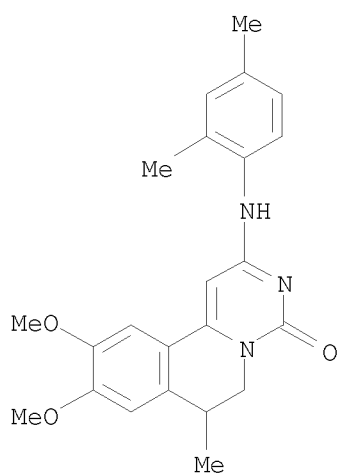
RN 108445-61-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-  
dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)

<12/04/2007>

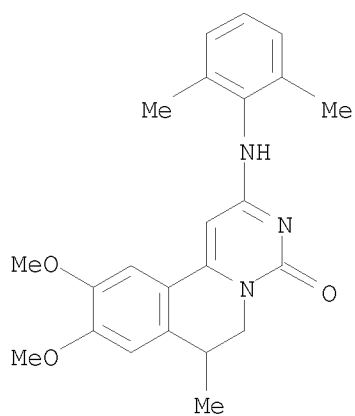
Erich Leese

10/513699



● HCl

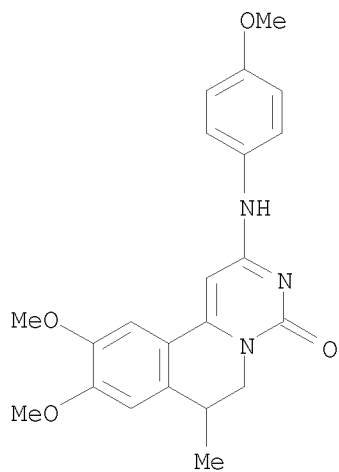
RN 108445-62-1 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

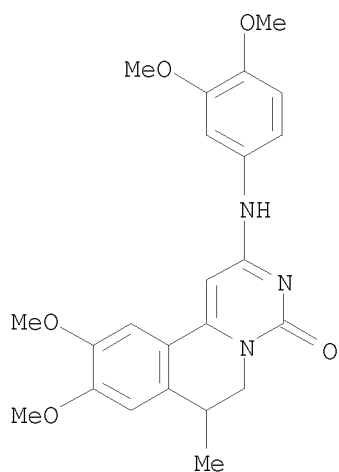
RN 108445-63-2 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(4-methoxyphenyl)amino]-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

RN 108445-64-3 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,4-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)



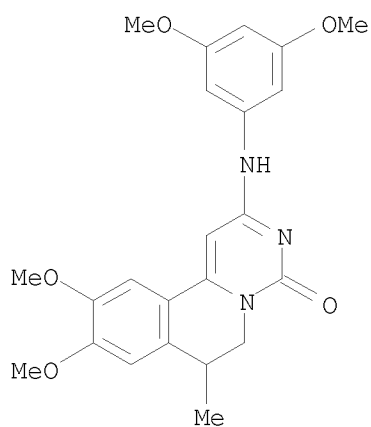
● HCl

RN 108445-65-4 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)

<12/04/2007>

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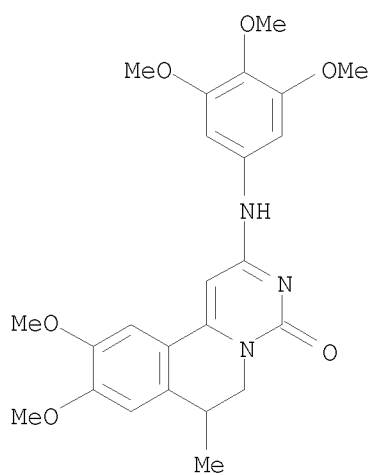
10/513699



● HCl

RN 108445-66-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-[(3,4,5-trimethoxyphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

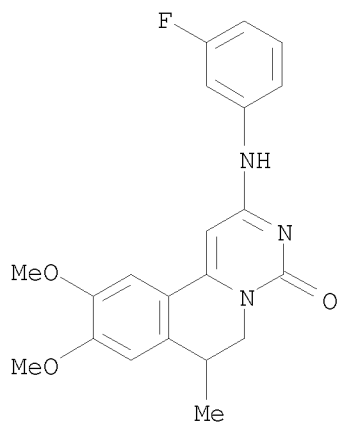


● HCl

RN 108445-67-6 CAPLUS

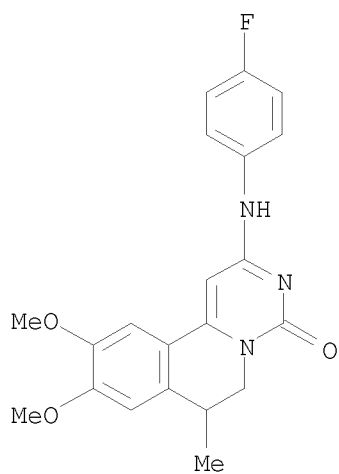
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3-fluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

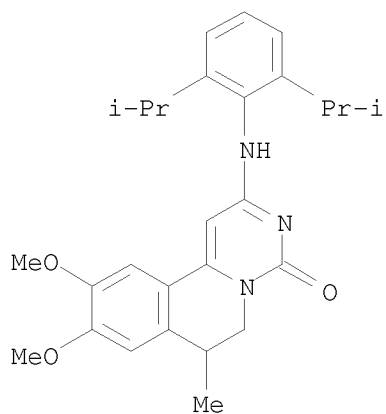
RN 108445-68-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-fluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

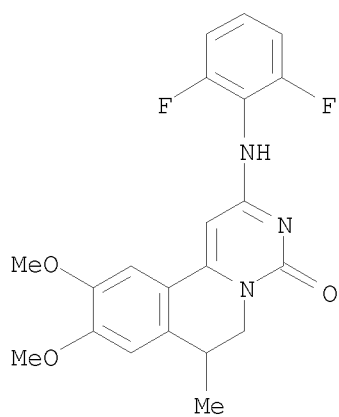
RN 108445-69-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2,6-bis(1-methylethyl)phenyl]amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

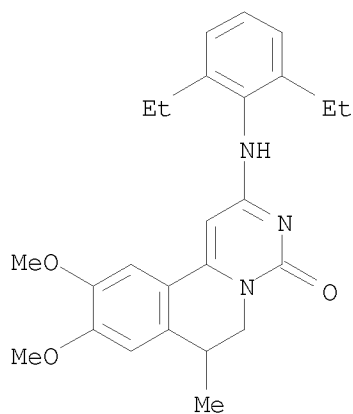
RN 108445-70-1 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

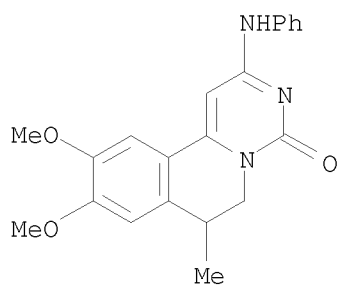
RN 108445-71-2 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-diethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

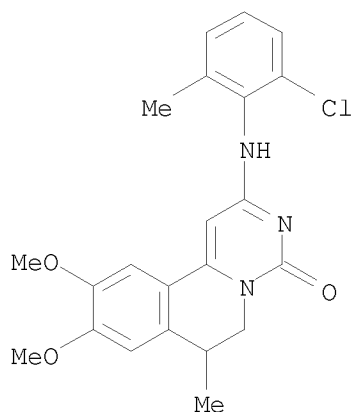
RN 108462-17-5 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-(phenylamino)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

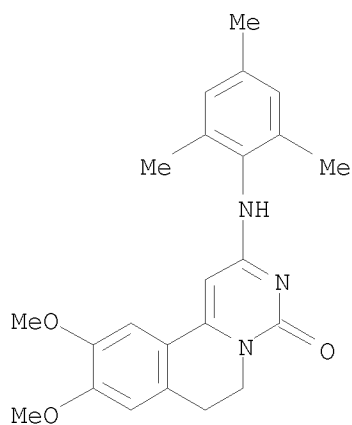
RN 108462-18-6 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chloro-6-methylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

IT 76536-65-7P 108445-39-2P 108445-40-5P  
108445-41-6P 108445-42-7P 108445-43-8P  
108445-44-9P 108445-45-0P 108508-86-7P  
108508-87-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation, methylation, and blood platelet aggregation-inhibiting  
activity of)  
RN 76536-65-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-  
trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 108445-39-2 CAPLUS

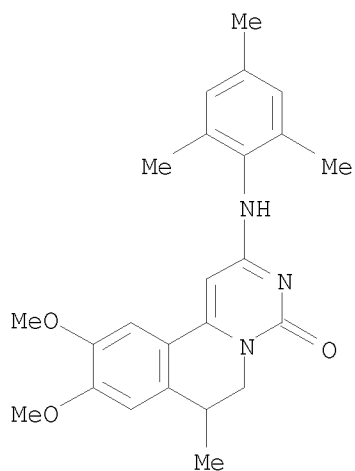
<12/04/2007>

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10/513699

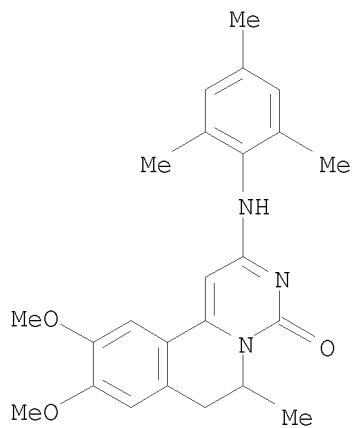
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 108445-40-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (S)- (9CI) (CA INDEX  
NAME)



● HCl

RN 108445-41-6 CAPLUS

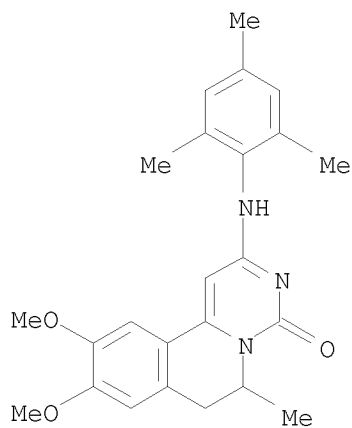
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (R)- (9CI) (CA INDEX  
NAME)

<12/04/2007>

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10/513699

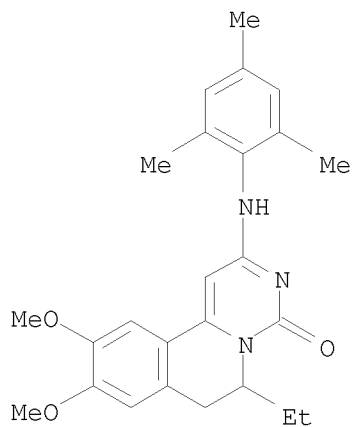
NAME)



● HCl

RN 108445-42-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (S)- (9CI) (CA INDEX  
NAME)



● HCl

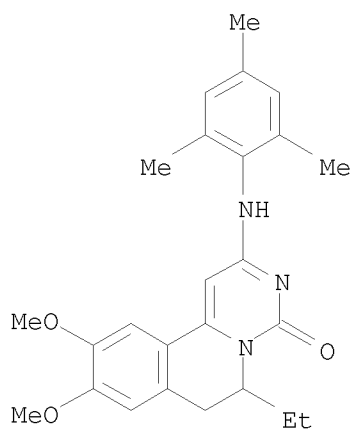
RN 108445-43-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-  
[(2,4,6-trimethylphenyl)amino]-, monohydrochloride, (R)- (9CI) (CA INDEX  
NAME)

<12/04/2007>

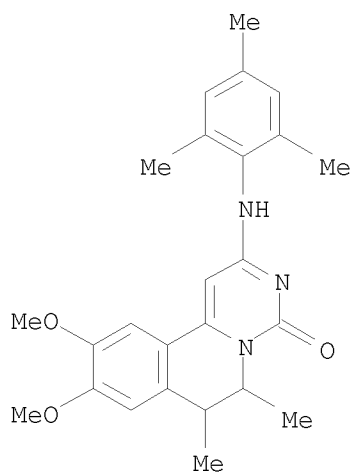
Erich Leese

10/513699



● HCl

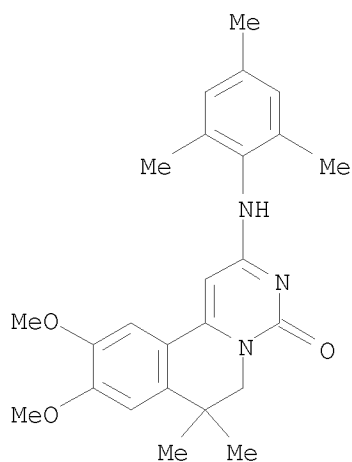
RN 108445-44-9 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

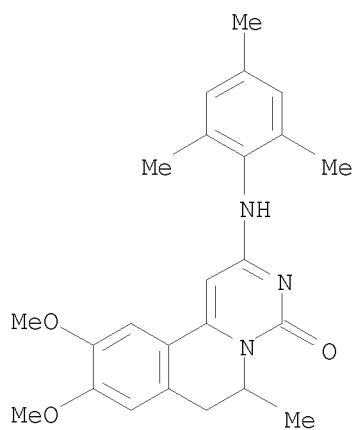
RN 108445-45-0 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

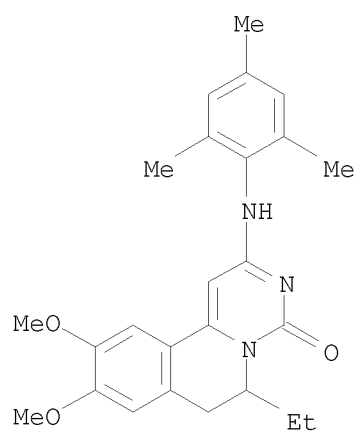
RN 108508-86-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 108508-87-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)

10/513699



● HCl

<12/04/2007>

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10/513699

L4 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1986:490987 CAPLUS

DOCUMENT NUMBER: 105:90987

ORIGINAL REFERENCE NO.: 105:14561a,14564a

TITLE: Trequinsin analogs as modulators of the thrombin-mediated reactions in hemostasis

AUTHOR(S): Blasko, Gy.; Tihanyi, K.; Blasko, G.; Major, E.; Szantay, C.

CORPORATE SOURCE: Postgrad. Med. Inst., Budapest, 1389, Hung.

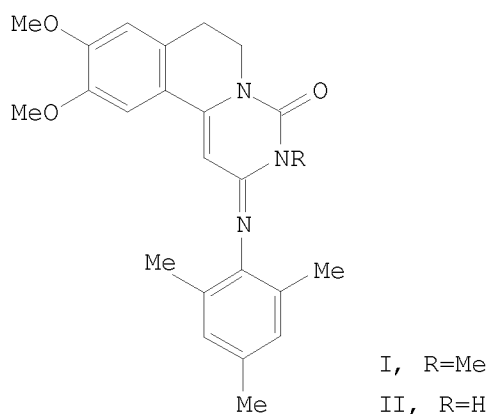
SOURCE: Thrombosis Research (1986), 43(2), 249-50

CODEN: THBRAA; ISSN: 0049-3848

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB The effects of trequinsin (I) [79855-88-2], its precursor II [76536-66-8], and 2 of its indole analogs on vascular prostacyclin (PGI<sub>2</sub>) [35121-78-9] formation were studied in rat aortic segments. II was the most potent inhibitor of PGI<sub>2</sub> formation, but it had only a slight effect on stimulation by exogenous arachidonate [506-32-1]. I showed a similar but slightly less potent effect. The 2 indole analogs enhanced total PGI<sub>2</sub> production without affecting the action of the exogenous arachidonate. These results indicate that I and its indole analogs might have a role in the pharmacol. modulation of thrombin-mediated reactions in hemostasis.

IT 76536-66-8

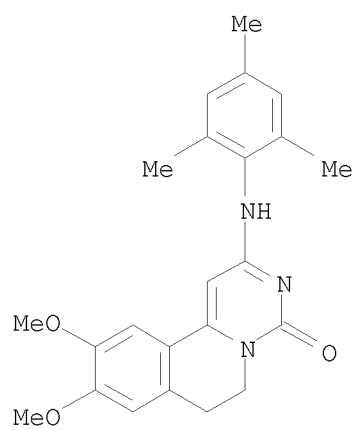
RL: BIOL (Biological study)

(prostacyclin formation inhibition by, in aorta, modulation of thrombin-mediated reactions in hemostasis in relation to)

RN 76536-66-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699

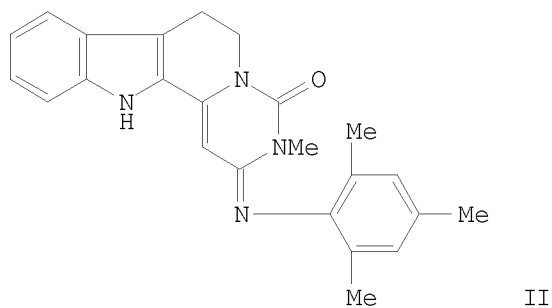
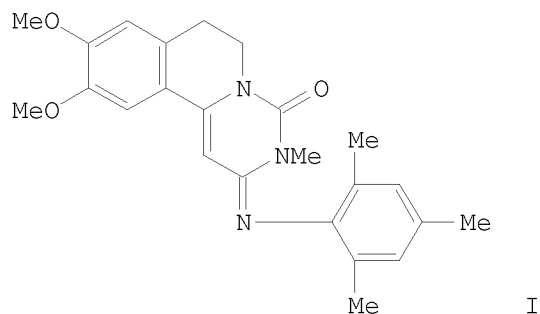


<12/04/2007>

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L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1986:454284 CAPLUS  
DOCUMENT NUMBER: 105:54284  
ORIGINAL REFERENCE NO.: 105:8749a,8752a  
TITLE: Pyrimido[1,6-a]pyrido[3,4-b]indoles as new platelet  
inhibiting agents  
AUTHOR(S): Blasko, Gyorgy; Major, Eszter; Blasko, Gabor; Rozsa,  
Imre; Szantay, Csaba  
CORPORATE SOURCE: Cent. Res. Inst. Chem., Hung. Acad. Sci., Budapest,  
H-1525, Hung.  
SOURCE: European Journal of Medicinal Chemistry (1986), 21(2),  
91-5  
CODEN: EJMCA5; ISSN: 0223-5234  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 105:54284  
GI



AB Trequinsin (I) [79855-88-2] and its indole analogs, such as 2-(mesitylimino)-3-methyl-3,4,6,7-tetrahydro-2H,12H-pyrimido[1,6-a]pyrido[3,4-b]indol-4-one (II) [103344-28-1], were potent inhibitors of platelet aggregation in vitro. Synthesis of II starting from tryptamine is described. The 50% inhibitory concns. (IC<sub>50</sub>) of I against ADP- and collagen-induced aggregation were 13 and 17 ng/mL, resp., whereas those of II were 1.2 and 3.7 ng/mL resp. Other IC<sub>50</sub> values ranged between 3.9 and 27 mg/mL. The drugs enhanced the activity of  $\alpha$ -thrombin [9002-04-4], but had no effect on factor Xa [9002-05-5] and plasmin [9001-90-5]; inactivation of these enzymes by proteinase inhibitors was also not affected by these drugs.

IT 76536-66-8

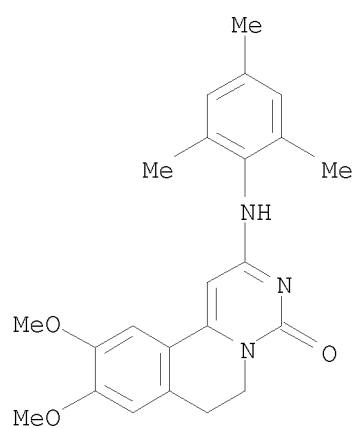


10/513699

RL: BIOL (Biological study)  
(blood platelet aggregation inhibition by)

RN 76536-66-8 CAPLUS

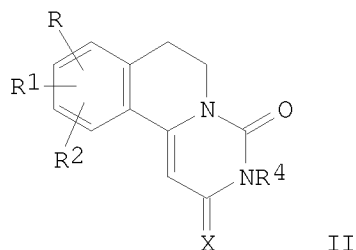
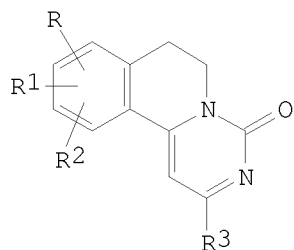
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1985:78910 CAPLUS  
 DOCUMENT NUMBER: 102:78910  
 ORIGINAL REFERENCE NO.: 102:12377a,12380a  
 TITLE: Pyrimido[6,1-a]isoquinolin-4-one derivatives  
 INVENTOR(S): Lal, Bansi; Dornauer, Horst; Bhattacharya, Bani K.;  
 Dohadwalla, Alihussein N.; De Souza, Noel J.  
 PATENT ASSIGNEE(S): Hoechst A.-G. , Fed. Rep. Ger.  
 SOURCE: U.S., 17 pp. Cont.-in-part of U.S. Ser. No. 848,289,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 6  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4482556	A	19841113	US 1980-134080	19800326
DE 2720085	A1	19781116	DE 1977-2720085	19770505
DE 2720085	C2	19881117		
US 4598148	A	19860701	US 1984-652005	19840919
PRIORITY APPLN. INFO.:			DE 1977-2720085	A 19770505
			US 1977-848289	A2 19771103
			US 1980-134080	A3 19800326
OTHER SOURCE(S):	MARPAT 102:78910			
GI				



AB The antihypertensive, bronchodilator, and antiallergic (no data) title  
 compds. I and II [R, R1, R2 = H, C1-3 alkoxy, C1-6 alkanoyloxy, halo, any  
 two of R, R1, R2 in adjacent positions = OCH2O, OCH2CH2O; R3 =  
 (un)substituted amino; X = (un)substituted imino; R4 = H, C16 alkyl,  
 dialkylamino, aminoalkyl, dialkylphosphinylalkyl] and their salts were  
 prepared Thus, 6,7-dimethoxy-1-(carbamoylmethylene)-1,2,3,4-  
 tetrahydroisoquinoline was cyclized by EtONa in EtOH to give II (R = R4 =  
 H, R1 = 9-MeO, R2 = 10-MeO, X = O), which was treated with POCl3 followed  
 by Me3CNH2 to give I (R = H, R1 = 9-MeO, R2 = 10-MeO, R3 = Me3CNH).

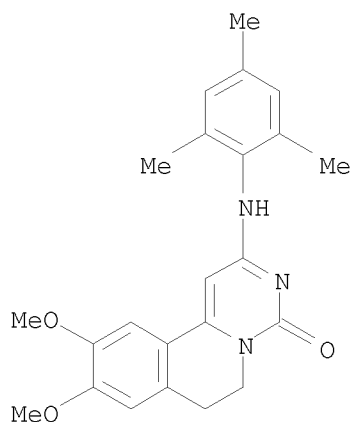
IT 76536-65-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and methylation of)

RN 76536-65-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-  
 trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

10/513699



● HCl

IT 76536-01-1P 76536-02-2P 76536-03-3P  
76536-04-4P 76536-05-5P 76536-06-6P  
76536-07-7P 76536-08-8P 76536-10-2P  
76536-11-3P 76536-12-4P 76536-13-5P  
76536-15-7P 76536-16-8P 76536-19-1P  
76536-21-5P 76536-22-6P 76536-23-7P  
76536-25-9P 76536-26-0P 76536-29-3P  
76536-30-6P 76536-32-8P 76536-34-0P  
76536-41-9P 76536-43-1P 76536-44-2P  
76536-45-3P 76536-46-4P 76536-47-5P  
76536-49-7P 76536-50-0P 76536-51-1P  
76536-52-2P 76536-53-3P 76536-56-6P  
76536-58-8P 76536-60-2P 76536-61-3P  
76536-63-5P 76536-64-6P 76536-67-9P  
76536-68-0P 76536-69-1P 76536-75-9P  
83070-39-7P 83070-40-0P 91209-87-9P  
91209-99-3P 91210-02-5P 91210-14-9P  
94741-22-7P 94741-23-8P 94767-66-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

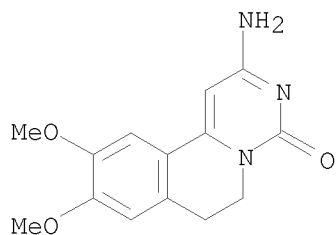
RN 76536-01-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-amino-6,7-dihydro-9,10-dimethoxy-,  
monohydrochloride (9CI) (CA INDEX NAME)

<12/04/2007>

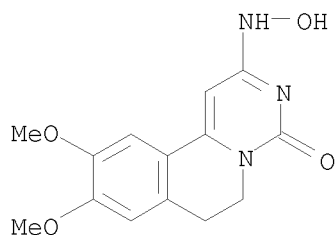
Erich Leese

10/513699



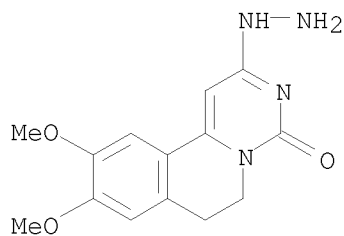
● HCl

RN 76536-02-2 CAPLUS  
CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-oxime, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

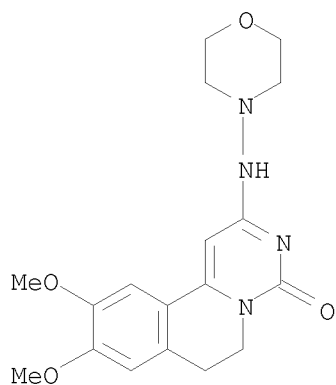
RN 76536-03-3 CAPLUS  
CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-04-4 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(4-morpholinylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

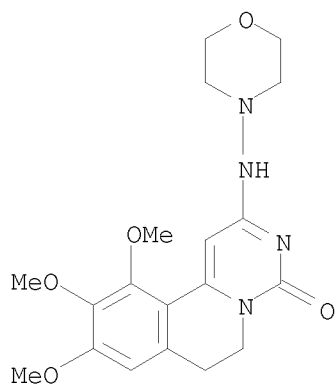
10/513699



● HCl

RN 76536-05-5 CAPLUS

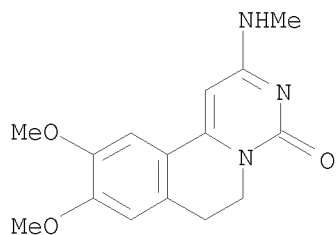
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10,11-trimethoxy-2-(4-morpholinylamino)- (CA INDEX NAME)



RN 76536-06-6 CAPLUS

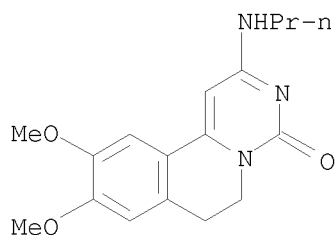
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(methylamino)-, dihydrochloride (9CI) (CA INDEX NAME)

10/513699



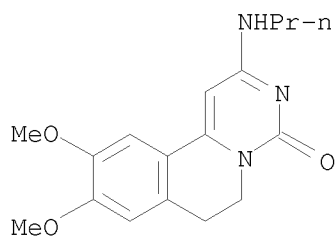
● 2 HCl

RN 76536-07-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(propylamino)-, monohydrochloride (9CI) (CA INDEX NAME)



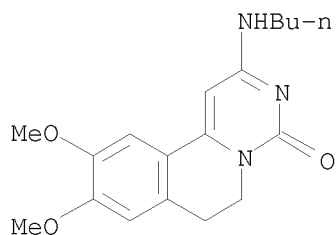
● HCl

RN 76536-08-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(propylamino)- (CA INDEX NAME)



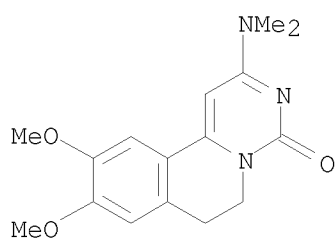
RN 76536-10-2 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(butylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-11-3 CAPLUS

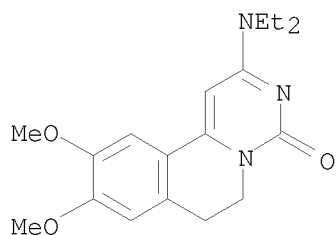
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dimethylamino)-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-12-4 CAPLUS

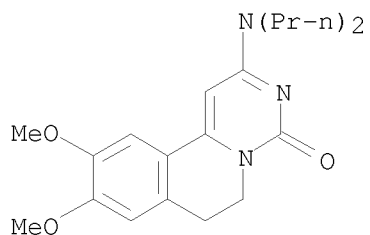
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(diethylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-13-5 CAPLUS

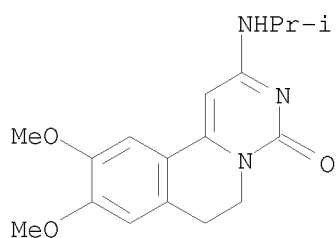
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dipropylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-15-7 CAPLUS

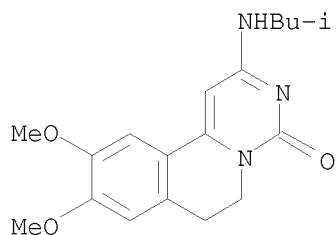
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-16-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2-methylpropyl)amino]- (CA INDEX NAME)

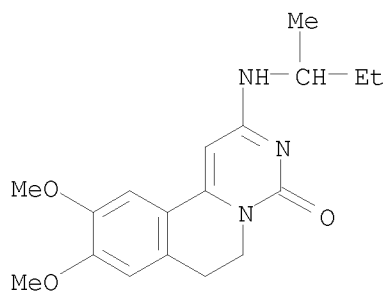


RN 76536-19-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylpropyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)



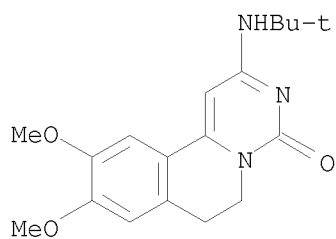
10/513699



● HCl

RN 76536-21-5 CAPLUS

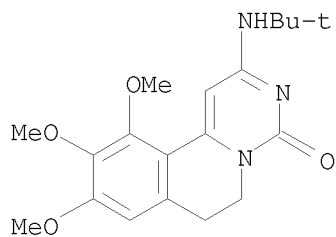
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-22-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10,11-trimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-23-7 CAPLUS

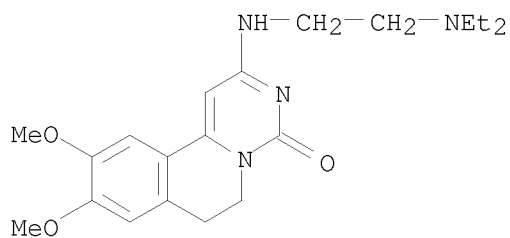
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(diethylamino)ethyl]amino]-6,7-

<12/04/2007>

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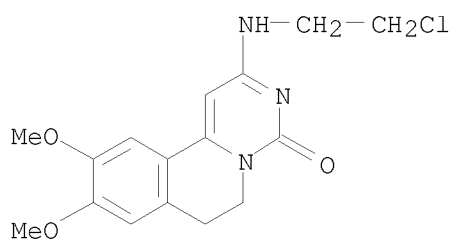
dihydro-9,10-dimethoxy-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 76536-25-9 CAPLUS

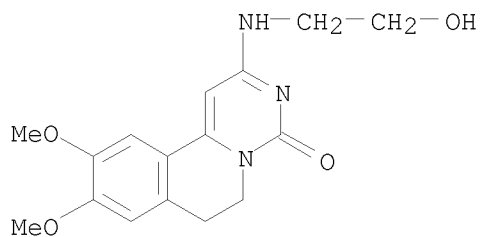
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chloroethyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-26-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[(2-hydroxyethyl)amino]-9,10-dimethoxy- (CA INDEX NAME)



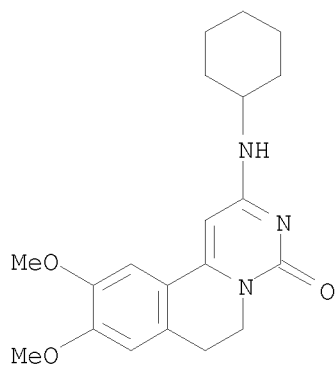
RN 76536-29-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclohexylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

<12/04/2007>

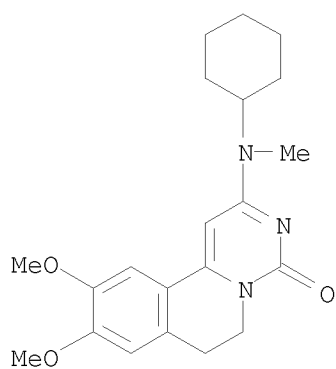
Erich Leese

10/513699



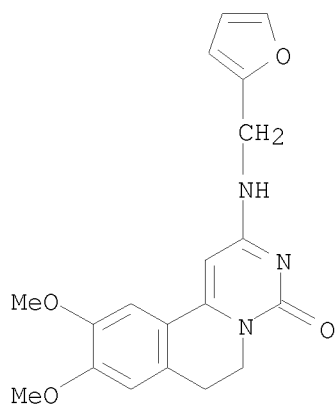
RN 76536-30-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclohexylmethylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-32-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-furanylmethyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



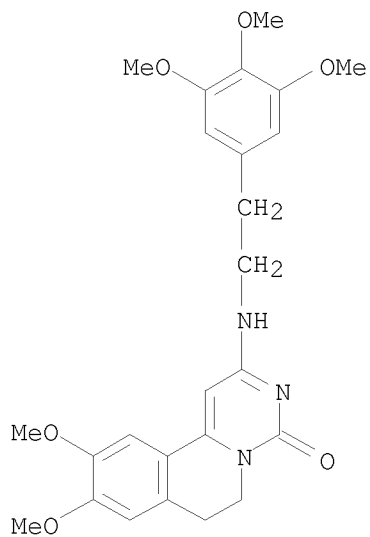
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10/513699

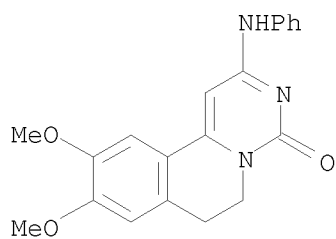
RN 76536-34-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[2-(3,4,5-trimethoxyphenyl)ethyl]amino]- (CA INDEX NAME)



RN 76536-41-9 CAPLUS

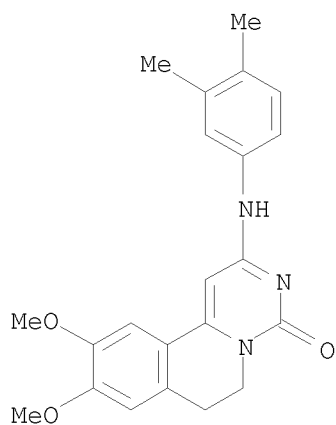
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(phenylamino)- (CA INDEX NAME)



RN 76536-43-1 CAPLUS

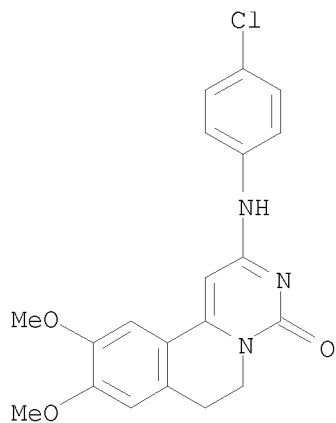
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,4-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-44-2 CAPLUS

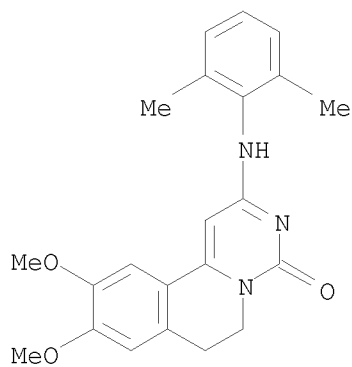
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-45-3 CAPLUS

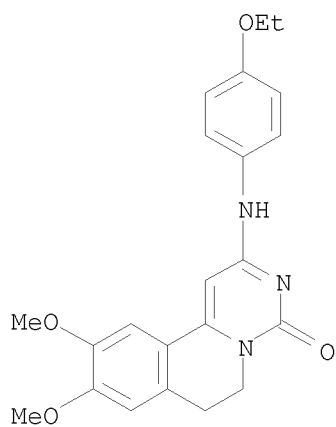
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



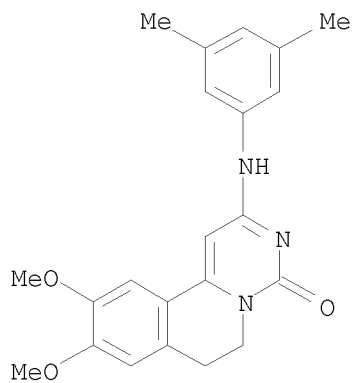
RN 76536-46-4 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-ethoxyphenyl)amino]-6,7-dihydroxy-9,10-dimethoxy- (9CI) (CA INDEX NAME)



RN 76536-47-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethylphenyl)amino]-6,7-dihydroxy-9,10-dimethoxy- (9CI) (CA INDEX NAME)



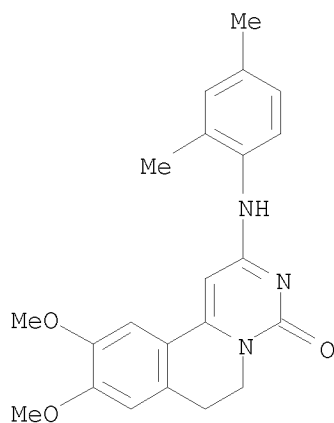
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10/513699

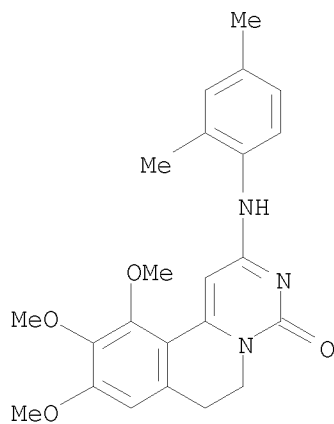
RN 76536-49-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-50-0 CAPLUS

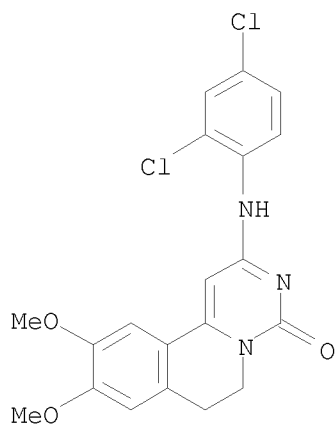
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-dihydro-9,10,11-trimethoxy- (CA INDEX NAME)



RN 76536-51-1 CAPLUS

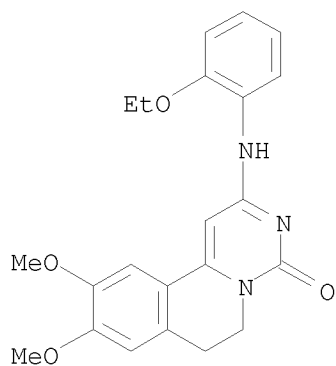
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-52-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



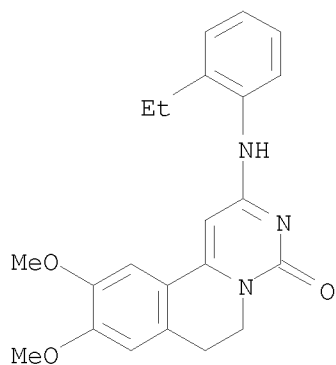
● HCl

RN 76536-53-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

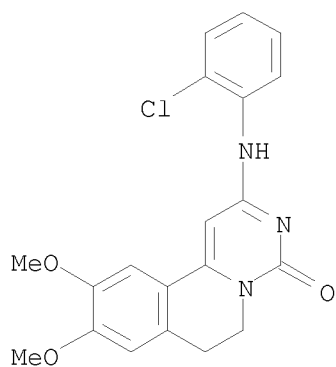


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RN 76536-56-6 CAPLUS

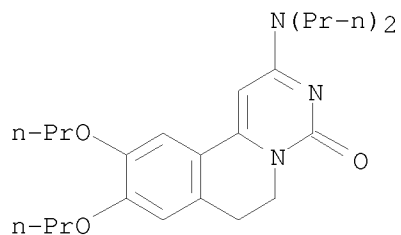
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-58-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dipropylamino)-6,7-dihydro-9,10-dipropoxy- (CA INDEX NAME)



RN 76536-60-2 CAPLUS

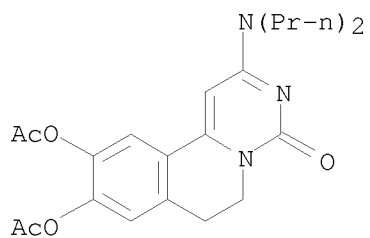
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 9,10-bis(acetyloxy)-2-(dipropylamino)-

<12/04/2007>

Erich Leese

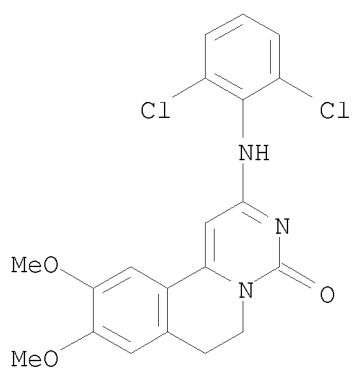
10/513699

6,7-dihydro- (CA INDEX NAME)



RN 76536-61-3 CAPLUS

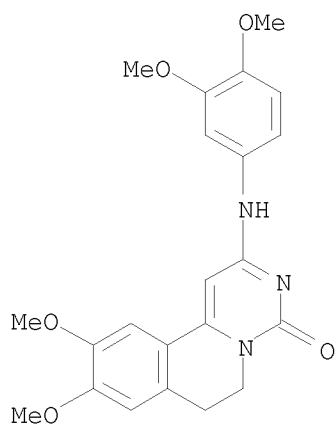
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-63-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,4-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

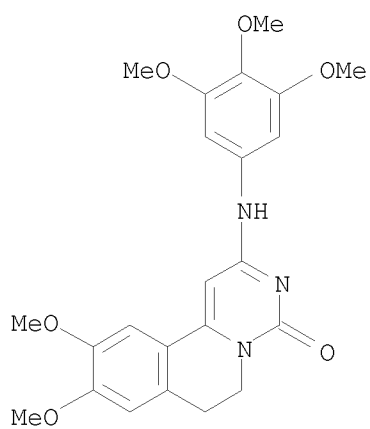
10/513699



● HCl

RN 76536-64-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(3,4,5-trimethoxyphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

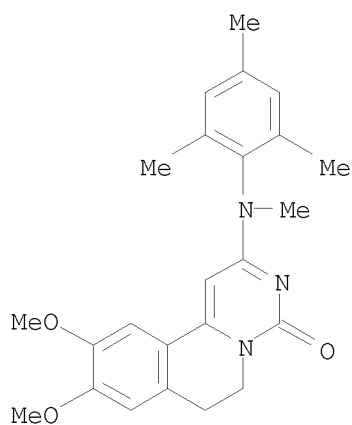


● HCl

RN 76536-67-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

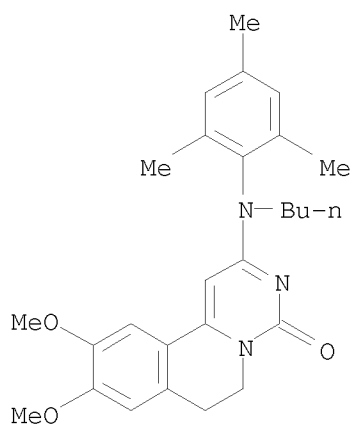
10/513699



● HCl

RN 76536-68-0 CAPLUS

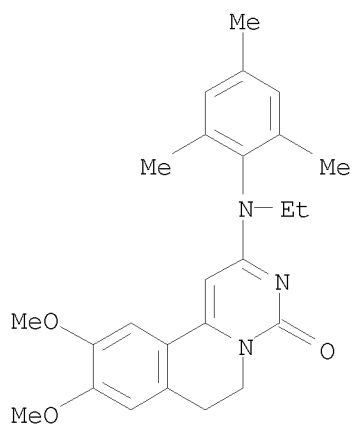
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[butyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-69-1 CAPLUS

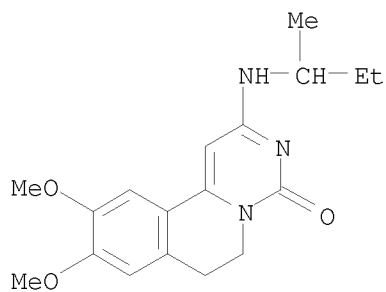
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[ethyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



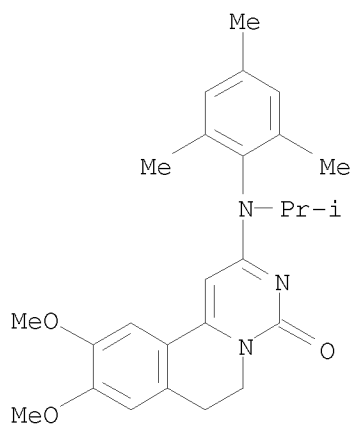
RN 76536-75-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylpropyl)amino]- (CA INDEX NAME)



RN 83070-39-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



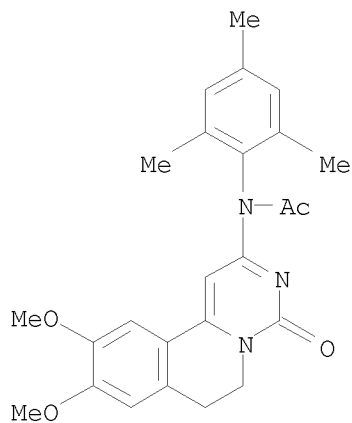
<12/04/2007>

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10/513699

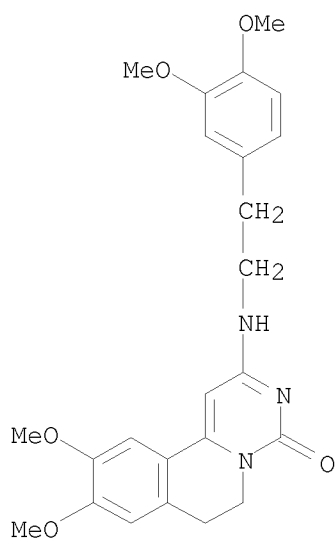
RN 83070-40-0 CAPLUS

CN Acetamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)-N-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 91209-87-9 CAPLUS

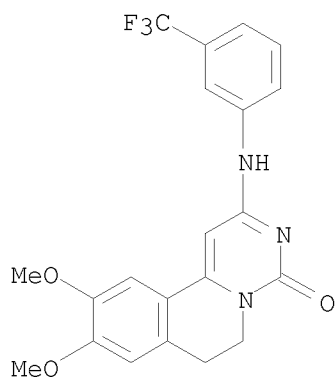
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91209-99-3 CAPLUS

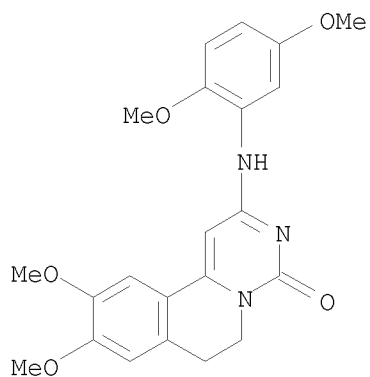
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[3-(trifluoromethyl)phenyl]amino]- (CA INDEX NAME)

10/513699



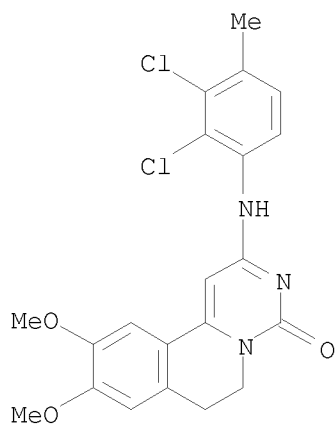
RN 91210-02-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91210-14-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,3-dichloro-4-methylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



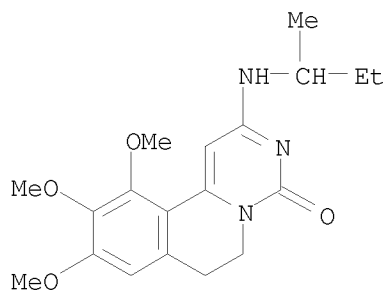
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10/513699

RN 94741-22-7 CAPLUS

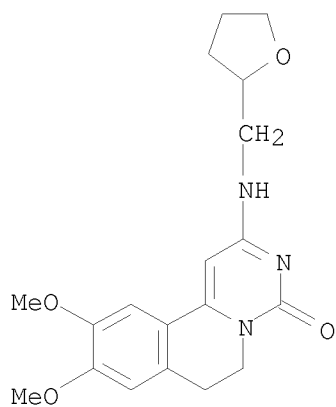
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10,11-trimethoxy-2-[(1-methylpropyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 94741-23-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[ (tetrahydro-2-furanyl)methyl]amino]-, hydrochloride (1:1) (CA INDEX NAME)



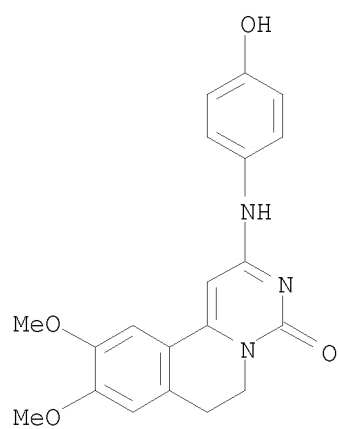
● HCl

RN 94767-66-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[(4-hydroxyphenyl)amino]-9,10-dimethoxy-, sodium salt (1:1) (CA INDEX NAME)



10/513699



<12/04/2007>

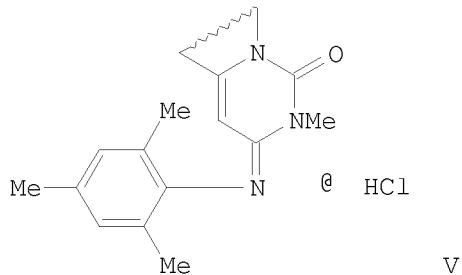
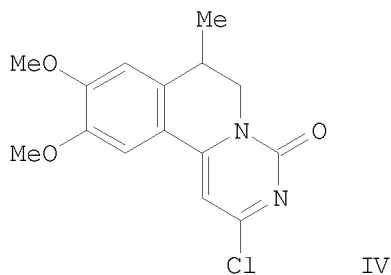
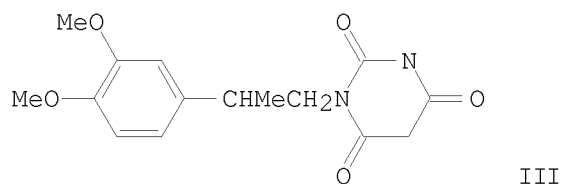
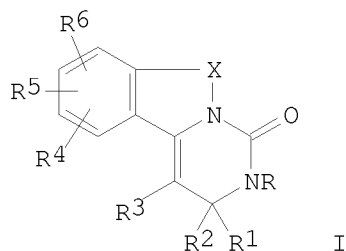
Erich Leese

10/513699

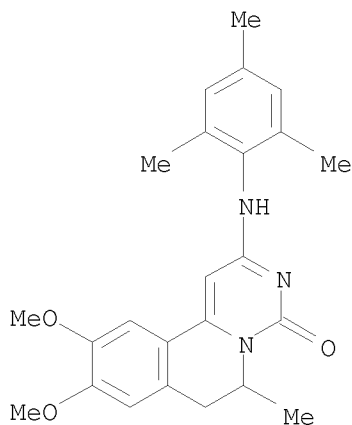
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1985:78909 CAPLUS  
DOCUMENT NUMBER: 102:78909  
ORIGINAL REFERENCE NO.: 102:12377a,12380a  
TITLE: Pyrimidinone derivatives  
INVENTOR(S): Kaiser, Ado; Kienzle, Frank  
PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.  
SOURCE: Eur. Pat. Appl., 27 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 124893	A2	19841114	EP 1984-105052	19840504
EP 124893	A3	19871111		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CA 1237429	A1	19880531	CA 1984-451949	19840413
DK 8401987	A	19841106	DK 1984-1987	19840417
FI 8401619	A	19841106	FI 1984-1619	19840425
US 4581172	A	19860408	US 1984-603793	19840425
ZA 8403171	A	19841224	ZA 1984-3171	19840427
AU 8427510	A	19841108	AU 1984-27510	19840430
IL 71711	A	19870831	IL 1984-71711	19840501
JP 59206383	A	19841122	JP 1984-87916	19840502
HU 34025	A2	19850128	HU 1984-1693	19840502
CS 243486	B2	19860612	CS 1984-3255	19840502
NO 8401780	A	19841106	NO 1984-1780	19840504
BR 8402103	A	19841211	BR 1984-2103	19840504
PRIORITY APPLN. INFO.:			CH 1983-2442	A 19830505
			CH 1984-1392	A 19840320
OTHER SOURCE(S):	MARPAT 102:78909			
GI				



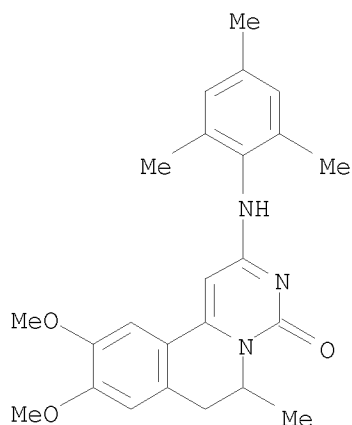
- AB Fused-ring pyrimidinones I [R = H, alkyl, R1R2 = R7N; RR1 = bond, R2 = R7NH; R3 = H, alkyl; R4-R6 = H, alkyl, alkoxy; R7 = (un)substituted Ph; X = alkyl-(un)substituted CH2CH2, (CH2)3] were prepared. Thus, 3,4-(MeO)2C6H3CHMeCH2NHR8 (II, R8 = H) was condensed with NaNCO to give II (R8 = CONH2) which were cyclocondensed with CH2(CO2Et)2 to give pyrimidinetrione III. This was chlorinated and cyclized by treatment with POCl3 to give pyrimidoisoquinolinone IV, which was treated with 2,4,6-Me3C6H2NH2 and methylated to give (mesitylimino)pyrimidoisoquinoline V. V inhibited blood platelet aggregation with an EC50 of 0.11  $\mu$ M.
- IT 94564-57-5P 94564-58-6P
- RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and blood platelet aggregation-inhibiting activity of)
- RN 94564-57-5 CAPLUS
- CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



10/513699

RN 94564-58-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:?) (CA INDEX NAME)



●x HCl

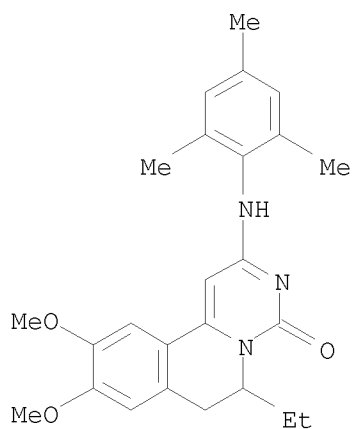
IT 94563-92-5P 94564-01-9P 94564-02-0P  
94564-03-1P 94564-04-2P 94564-05-3P  
94564-07-5P 94564-09-7P 94564-15-5P  
94564-17-7P 94564-18-8P 94564-24-6P  
94564-25-7P 94564-26-8P 94564-27-9P  
94564-28-0P 94564-29-1P 94564-55-3P  
94589-17-0P 94589-19-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and methylation of)

RN 94563-92-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride, (S)- (9CI) (CA INDEX NAME)

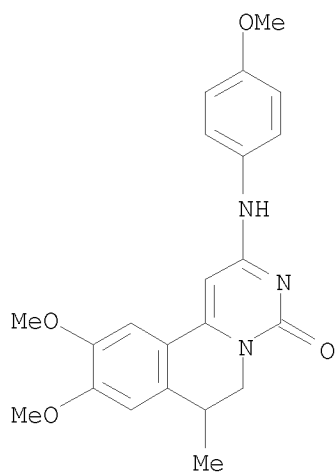
10/513699



●x HCl

RN 94564-01-9 CAPLUS

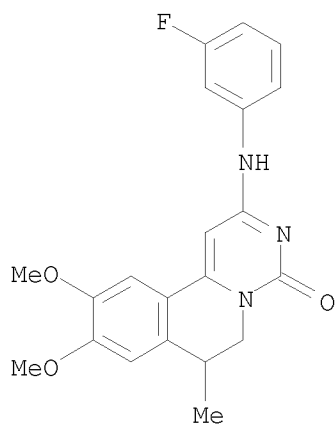
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(4-methoxyphenyl)amino]-7-methyl- (CA INDEX NAME)



RN 94564-02-0 CAPLUS

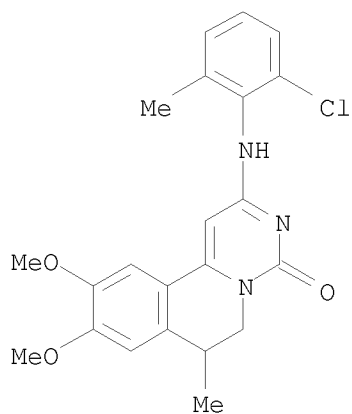
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3-fluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)

10/513699



RN 94564-03-1 CAPLUS

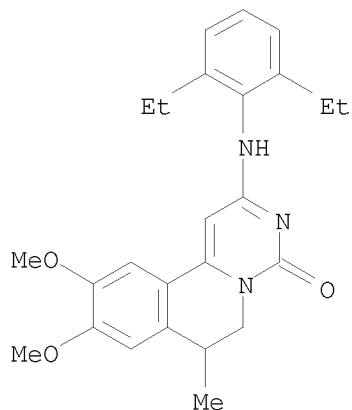
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chloro-6-methylphenyl)amino]-  
6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)



RN 94564-04-2 CAPLUS

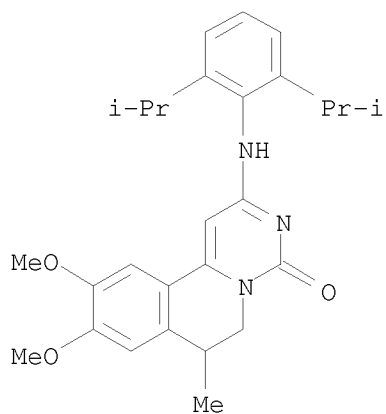
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-diethylphenyl)amino]-6,7-  
dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)

10/513699



RN 94564-05-3 CAPLUS

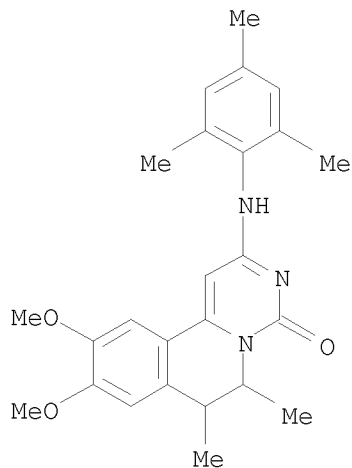
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2,6-bis(1-methylethyl)phenyl]amino]-6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)



RN 94564-07-5 CAPLUS

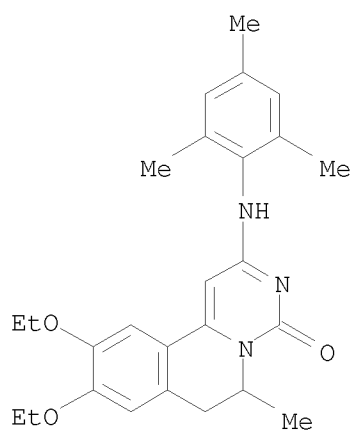
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



RN 94564-09-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 9,10-diethoxy-6,7-dihydro-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:?) (CA INDEX NAME)



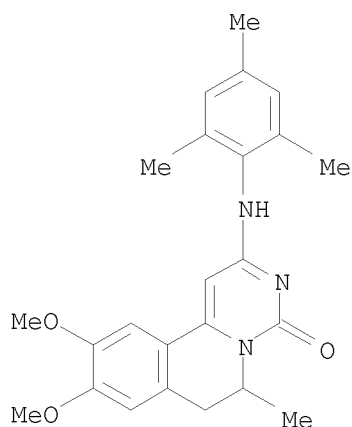
●x HCl

RN 94564-15-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride, (S)- (9CI) (CA INDEX NAME)

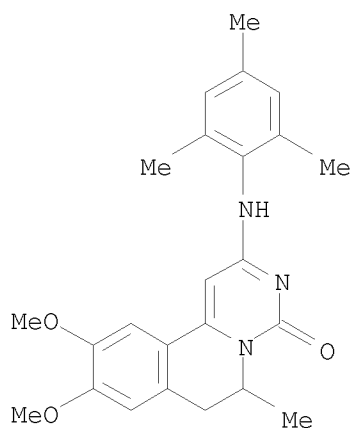


10/513699



●x HCl

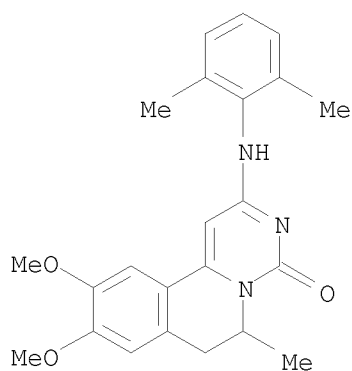
RN 94564-17-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-6-methyl-2-  
[(2,4,6-trimethylphenyl)amino]-, hydrochloride, (R)- (9CI) (CA INDEX  
NAME)



●x HCl

RN 94564-18-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6,7-  
dihydro-9,10-dimethoxy-6-methyl-, hydrochloride, (S)- (9CI) (CA INDEX  
NAME)

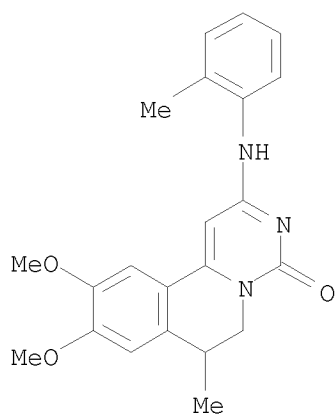
10/513699



● x HCl

RN 94564-24-6 CAPLUS

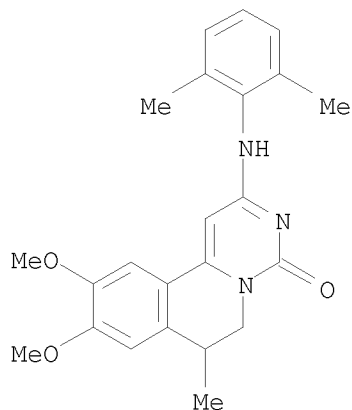
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-[(2-methylphenyl)amino]- (CA INDEX NAME)



RN 94564-25-7 CAPLUS

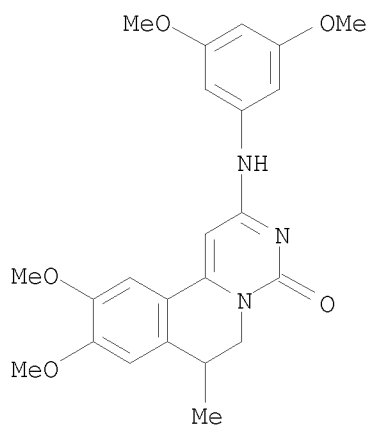
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)

10/513699



RN 94564-26-8 CAPLUS

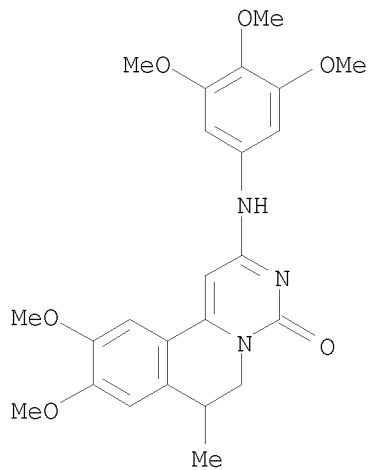
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)



RN 94564-27-9 CAPLUS

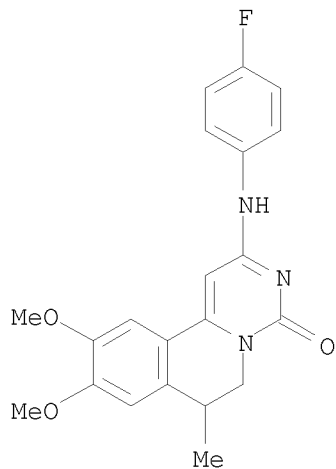
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-[(3,4,5-trimethoxyphenyl)amino]- (CA INDEX NAME)

10/513699



RN 94564-28-0 CAPLUS

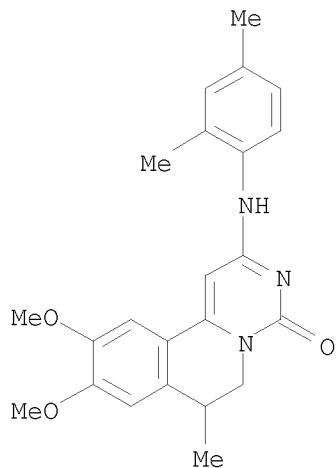
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-fluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)



RN 94564-29-1 CAPLUS

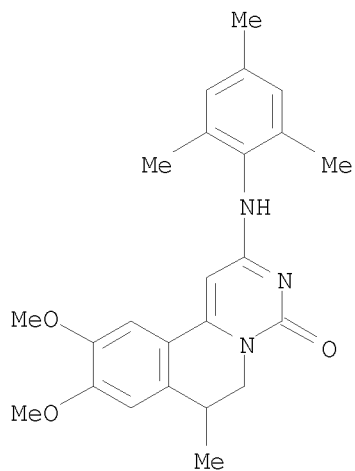
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-7-methyl- (CA INDEX NAME)

10/513699



RN 94564-55-3 CAPLUS

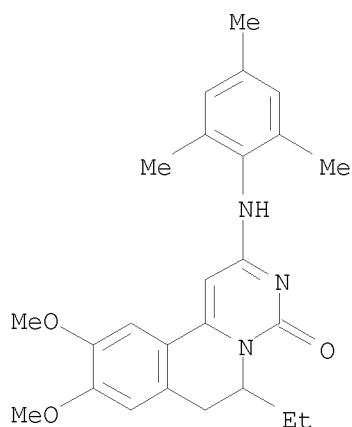
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



RN 94589-17-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6-ethyl-6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:?) (CA INDEX NAME)

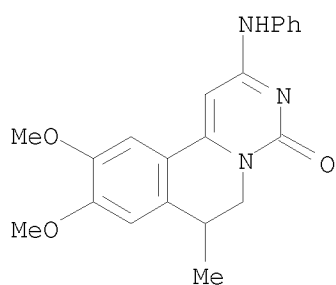
10/513699



●x HCl

RN 94589-19-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-(phenylamino)- (CA INDEX NAME)



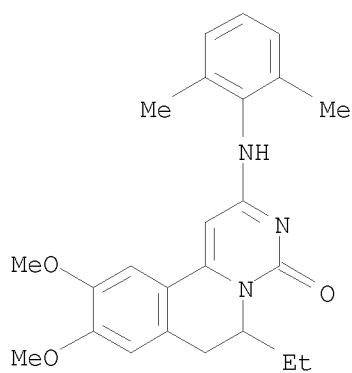
IT 94564-43-9P 94564-56-4P 94564-59-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 94564-43-9 CAPLUS

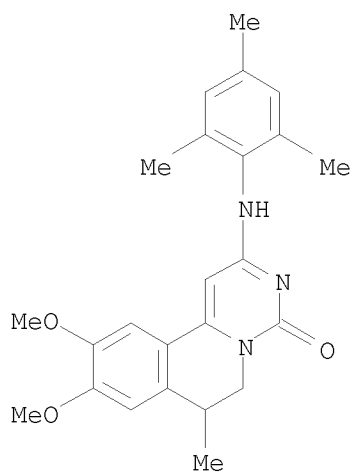
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6-ethyl-6,7-dihydro-9,10-dimethoxy-, hydrochloride, (S)- (9CI) (CA INDEX NAME)

10/513699



●x HCl

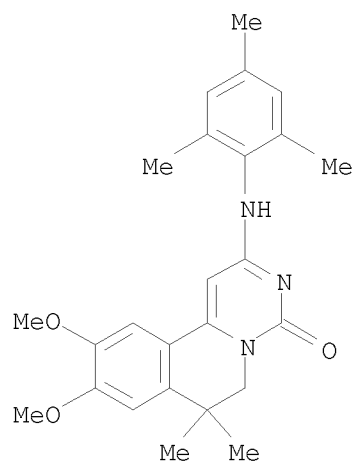
RN 94564-56-4 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7-methyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:?) (CA INDEX NAME)



●x HCl

RN 94564-59-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-7,7-dimethyl-2-[(2,4,6-trimethylphenyl)amino]-, hydrochloride (1:?) (CA INDEX NAME)

10/513699



● x HCl

<12/04/2007>

Erich Leese



L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1984:591834 CAPLUS

DOCUMENT NUMBER: 101:191834

ORIGINAL REFERENCE NO.: 101:29071a, 29074a

TITLE: Trequinsin, a potent new antihypertensive vasodilator in the series of 2-(arylimino)-3-alkyl-9,10-dimethoxy-3,4,6,7-tetrahydro-2H-pyrimido[6,1-a]isoquinolin-4-ones

AUTHOR(S): Lal, Bansi; Dohadwalla, Alihussein Nomanbhai; Dadkar, Nandkumar Keshav; D'Sa, Adolf; De Souza, Noel John  
CORPORATE SOURCE: Res. Cent., Hoechst Pharm. Ltd., Bombay, 400 080, India

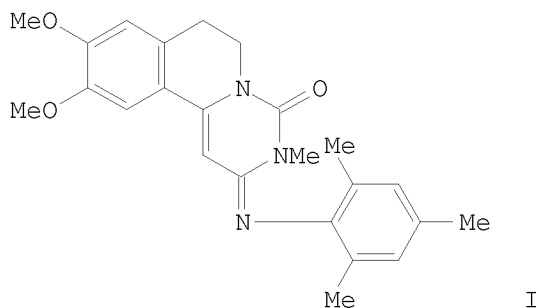
SOURCE: Journal of Medicinal Chemistry (1984), 27(11), 1470-80  
CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 101:191834

GI



AB A series of 3-substituted 3,4,6,7-tetrahydro-9,10-dimethoxy-2H-pyrimido[6,1-a]isoquinoline-2,4-diones and one of 2-substituted 6,7-dihydro-9,10-dimethoxy-4H-pyrimido[6,1-a]isoquinolin-4-ones were prepared and tested for blood pressure lowering properties in anesthetized normotensive cats and conscious spontaneously hypertensive rats. Several compds. in the 2-(arylamino)-6,7-dihydro-9,10-dimethoxy-4H-pyrimido[6,1-a]isoquinolin-4-one series showed a high order of activity. The most active compds. were the alkyl derivs. of the 2-(mesitylamino)/2-(mesitylimino) tautomeric forms. The 2-(mesitylimino)-3-methyl analog, trequinsin (I), was a potent antihypertensive agent and displayed a hemodynamic profile characteristic of an arteriolar dilator. It was also a potent inhibitor of both cAMP-phosphodiesterase and platelet aggregation.

IT 76536-43-1P 76536-44-2P 76536-45-3P  
76536-46-4P 76536-47-5P 76536-49-7P  
76536-51-1P 76536-52-2P 76536-53-3P  
76536-56-6P 76536-61-3P 76536-64-6P  
76536-65-7P 76536-66-8P 76536-67-9P  
76536-68-0P 76536-69-1P 76536-70-4P  
83070-39-7P 83070-40-0P 83070-45-5P  
91209-96-0P 91209-97-1P 91209-98-2P  
91209-99-3P 91210-00-3P 91210-01-4P  
91210-02-5P 91210-03-6P 91210-04-7P

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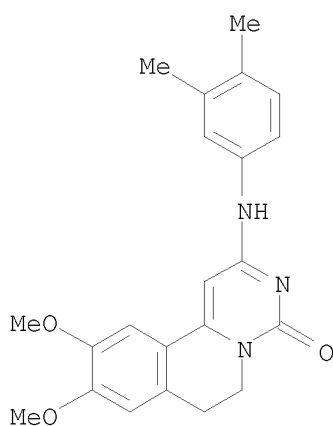
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91210-08-1P 91210-09-2P 91210-10-5P  
91210-11-6P 91210-12-7P 91210-13-8P  
91210-14-9P 91210-15-0P 91210-16-1P  
91210-17-2P 91210-18-3P 91210-25-2P  
91210-26-3P 91210-29-6P 91228-84-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and antihypertensive activity of)

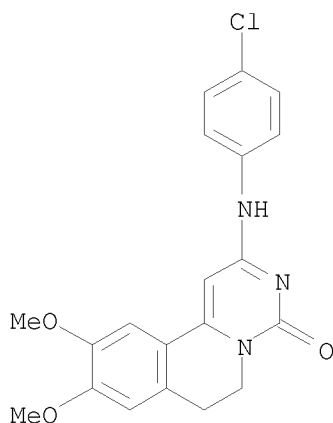
RN 76536-43-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,4-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-44-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



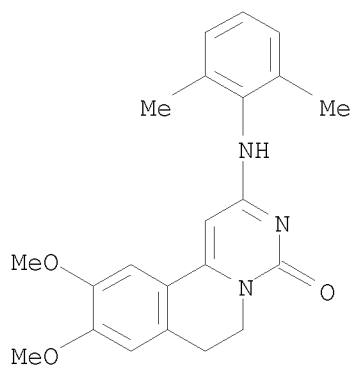
RN 76536-45-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

<12/04/2007>

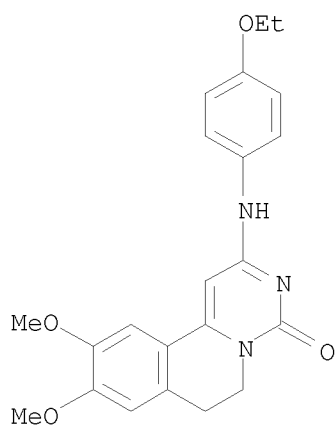
Erich Leese

10/513699



RN 76536-46-4 CAPLUS

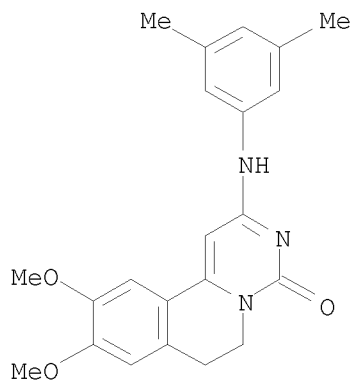
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-ethoxyphenyl)amino]-6,7-dihydroxy-9,10-dimethoxy- (9CI) (CA INDEX NAME)



RN 76536-47-5 CAPLUS

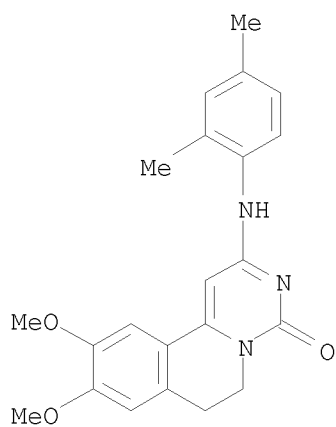
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethylphenyl)amino]-6,7-dihydroxy-9,10-dimethoxy- (9CI) (CA INDEX NAME)

10/513699



RN 76536-49-7 CAPLUS

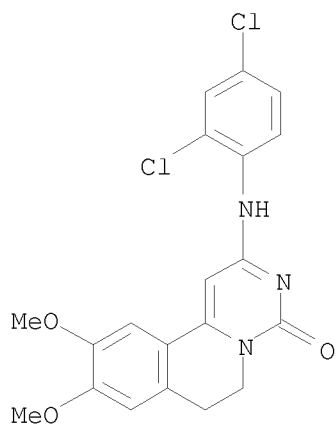
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-51-1 CAPLUS

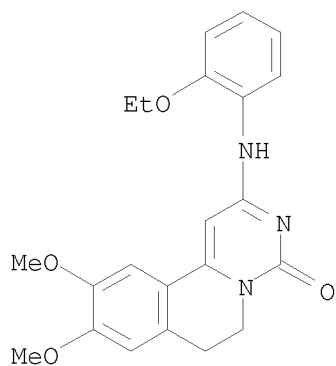
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-52-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

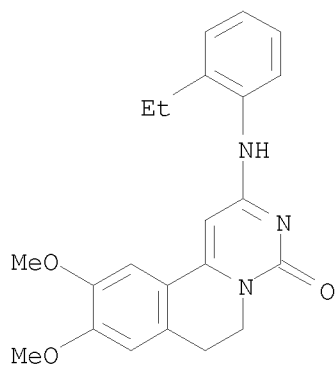


● HCl

RN 76536-53-3 CAPLUS

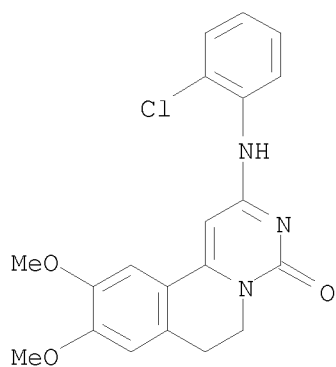
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-56-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

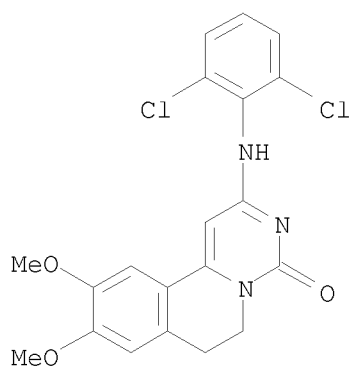


● HCl

RN 76536-61-3 CAPLUS

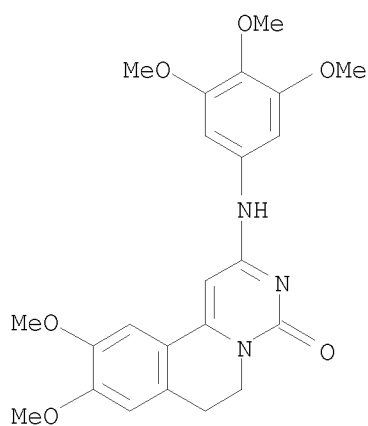
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-64-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(3,4,5-trimethoxyphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

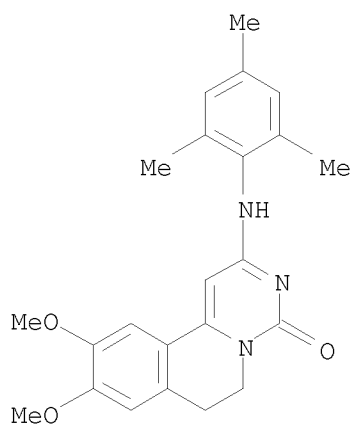


● HCl

RN 76536-65-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethoxyphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

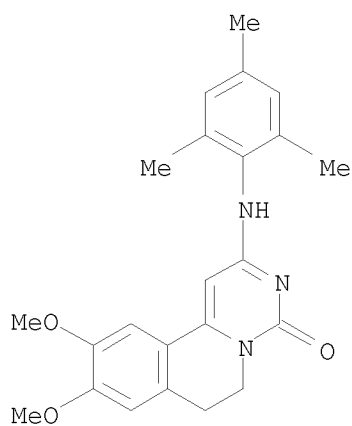
10/513699



● HCl

RN 76536-66-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

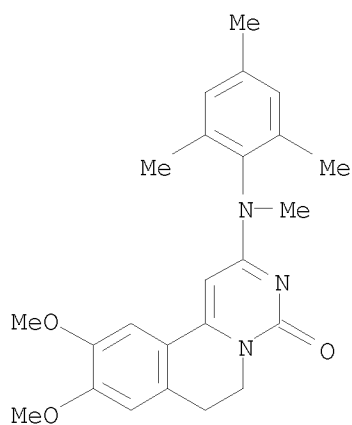


RN 76536-67-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)



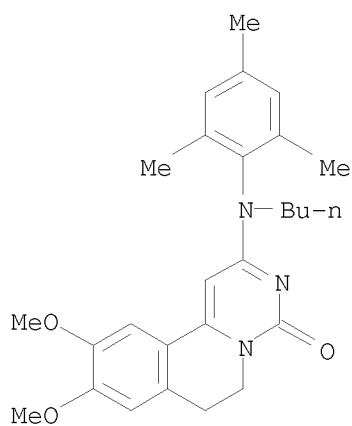
10/513699



● HCl

RN 76536-68-0 CAPLUS

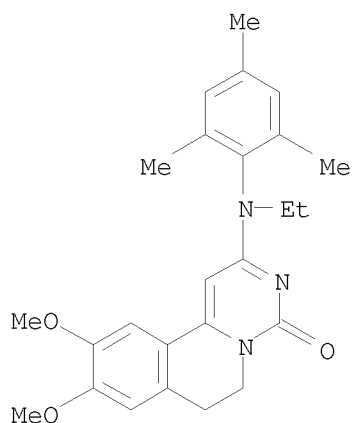
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[butyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-69-1 CAPLUS

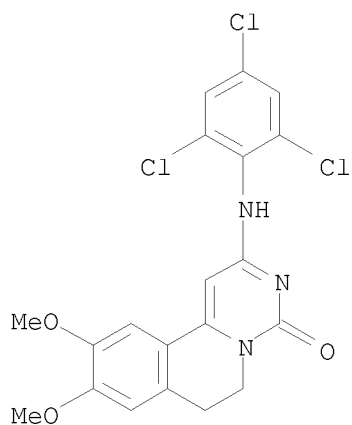
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[ethyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-70-4 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trichlorophenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

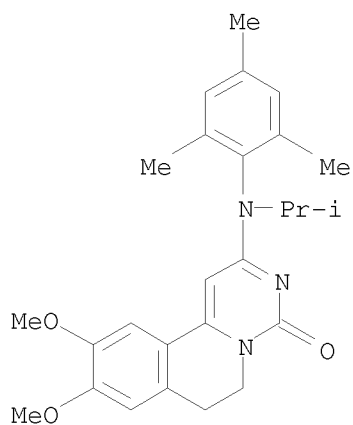


● HCl

RN 83070-39-7 CAPLUS

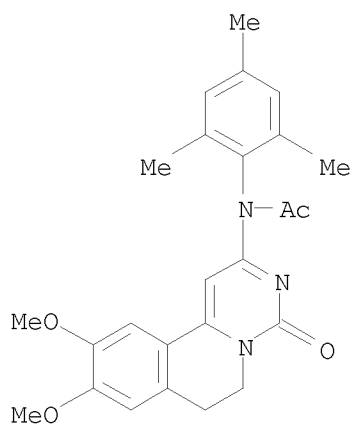
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



RN 83070-40-0 CAPLUS

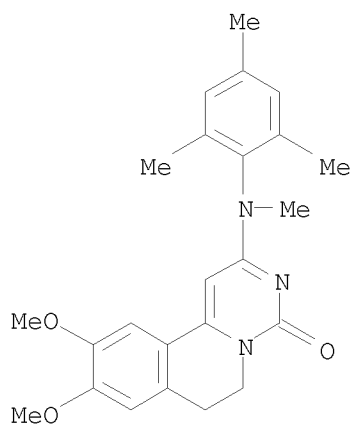
CN Acetamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)-N-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 83070-45-5 CAPLUS

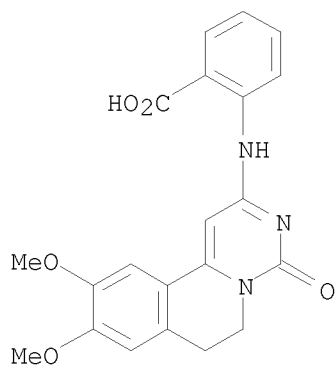
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



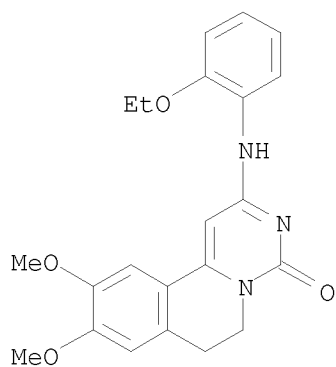
RN 91209-96-0 CAPLUS

CN Benzoic acid, 2-[(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)amino]- (CA INDEX NAME)



RN 91209-97-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



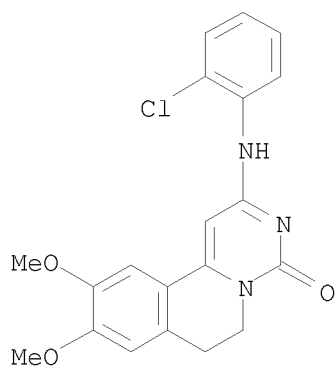
<12/04/2007>

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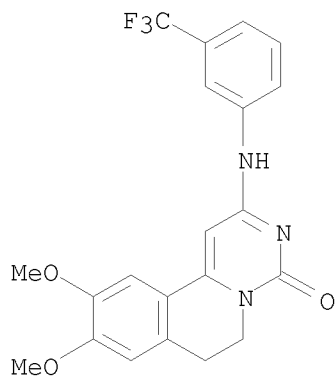
RN 91209-98-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91209-99-3 CAPLUS

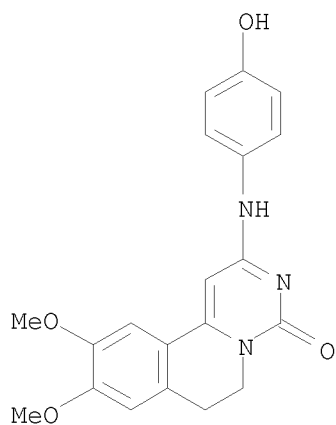
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[3-(trifluoromethyl)phenyl]amino]- (CA INDEX NAME)



RN 91210-00-3 CAPLUS

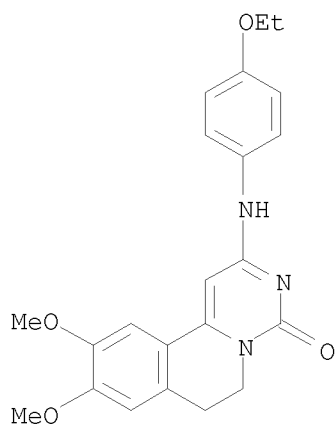
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[(4-hydroxyphenyl)amino]-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 91210-01-4 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-ethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

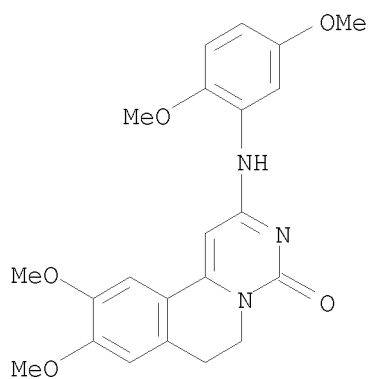


● HCl

RN 91210-02-5 CAPLUS

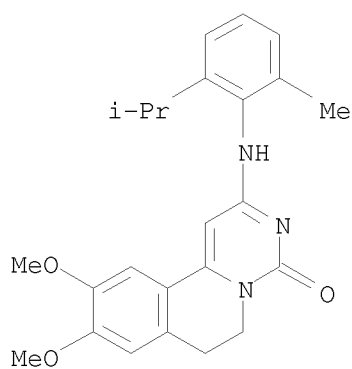
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 91210-03-6 CAPLUS

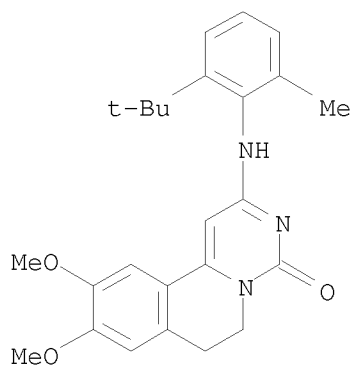
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[2-methyl-6-(1-methylethyl)phenyl]amino]- (CA INDEX NAME)



RN 91210-04-7 CAPLUS

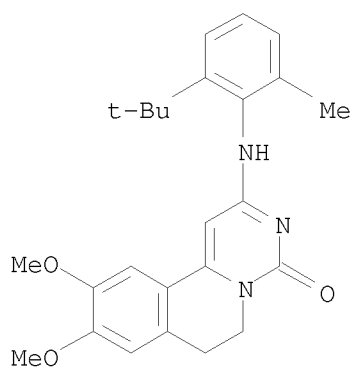
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(1,1-dimethylethyl)-6-methylphenyl]amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI)  
(CA INDEX NAME)

10/513699



● HCl

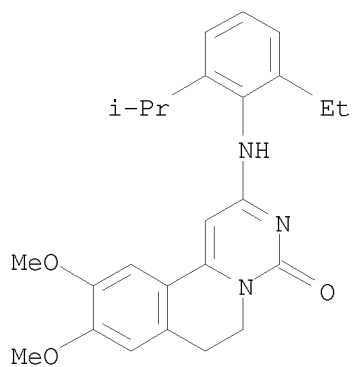
RN 91210-05-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(1,1-dimethylethyl)-6-methylphenyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91210-06-9 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-ethyl-6-(1-methylethyl)phenyl]amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

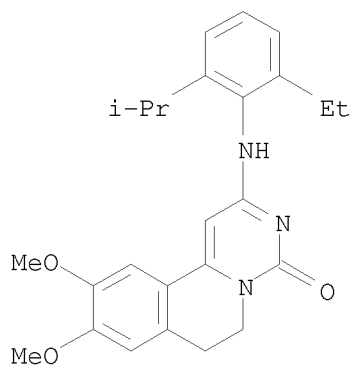


10/513699



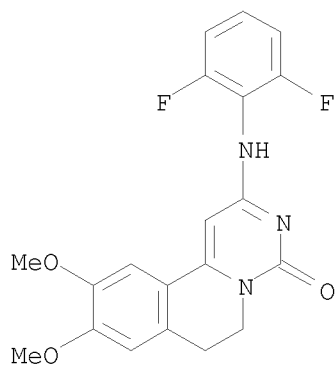
● HCl

RN 91210-07-0 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-ethyl-6-(1-methylethyl)phenyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91210-08-1 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



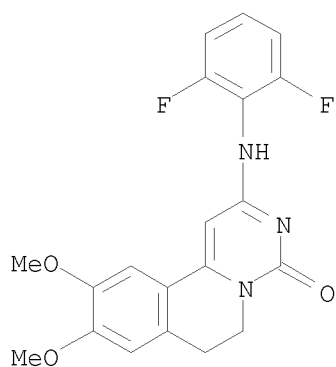
RN 91210-09-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 91210-08-1

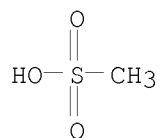
CMF C20 H17 F2 N3 O3



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 91210-10-5 CAPLUS

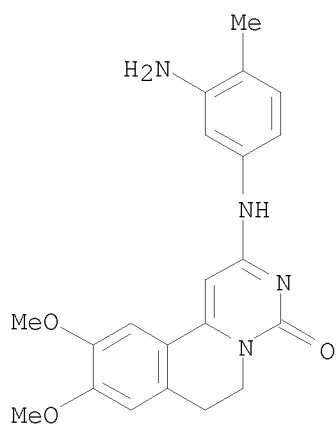
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3-amino-4-methylphenyl)amino]-6,7-

<12/04/2007>

Erich Leese

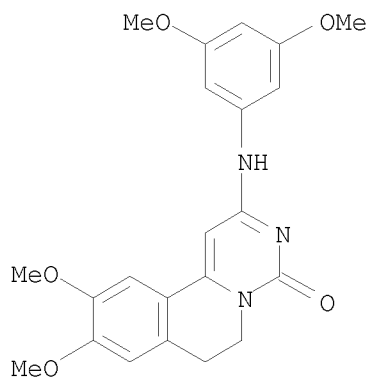
10/513699

dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91210-11-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

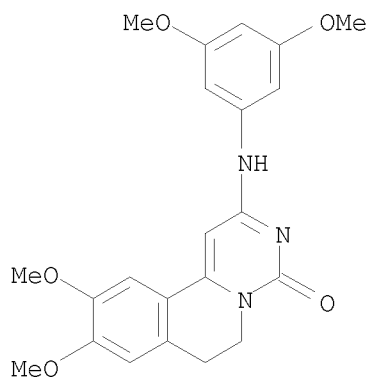


● HCl

RN 91210-12-7 CAPLUS

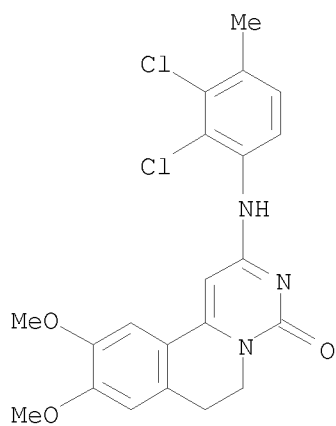
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 91210-13-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,3-dichloro-4-methylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI)  
(CA INDEX NAME)

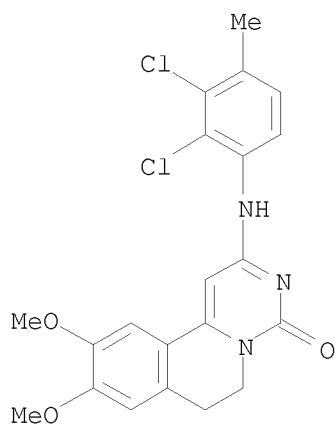


● HCl

RN 91210-14-9 CAPLUS

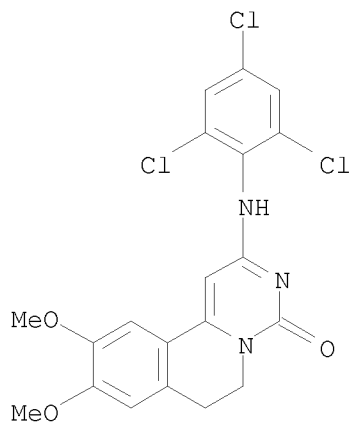
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,3-dichloro-4-methylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 91210-15-0 CAPLUS

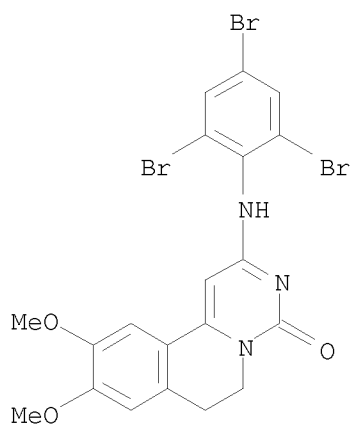
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trichlorophenyl)amino]- (CA INDEX NAME)



RN 91210-16-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-tribromophenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

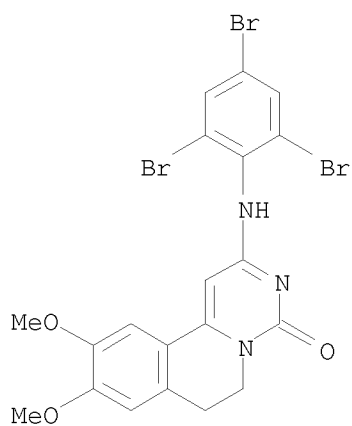
10/513699



● HCl

RN 91210-17-2 CAPLUS

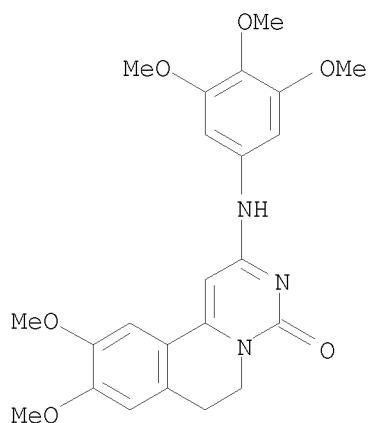
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-tribromophenyl)amino]- (CA INDEX NAME)



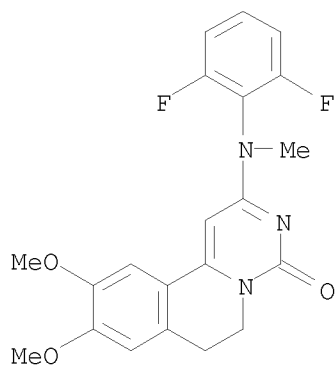
RN 91210-18-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(3,4,5-trimethoxyphenyl)amino]- (CA INDEX NAME)

10/513699



RN 91210-25-2 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)methylamino]-  
6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



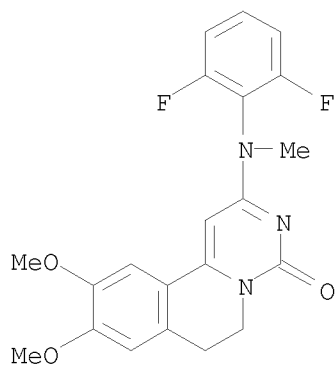
RN 91210-26-3 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)methylamino]-  
6,7-dihydro-9,10-dimethoxy-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 91210-25-2

CMF C21 H19 F2 N3 O3

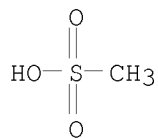
10/513699



CM 2

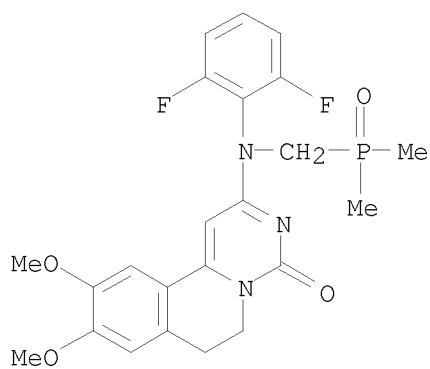
CRN 75-75-2

CMF C H4 O3 S



RN 91210-29-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-difluorophenyl)[(dimethylphosphinyl)methyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

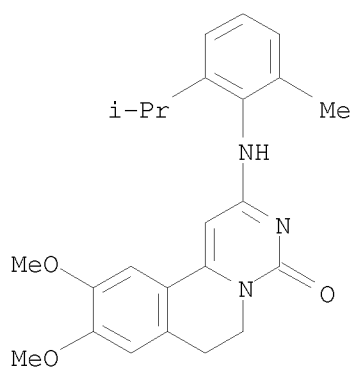


RN 91228-84-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[[2-methyl-6-(1-methylethyl)phenyl]amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)



10/513699



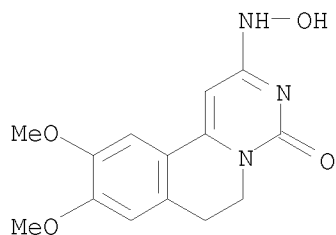
● HCl

IT 76536-02-2P 76536-03-3P 76536-04-4P  
76536-11-3P 76536-23-7P 76536-29-3P  
91209-84-6P 91209-85-7P 91209-86-8P  
91209-87-9P 91209-88-0P 91209-89-1P  
91209-90-4P 91209-91-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and antihypertensive inactivity of)

RN 76536-02-2 CAPLUS

CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-oxime, monohydrochloride (9CI) (CA INDEX NAME)

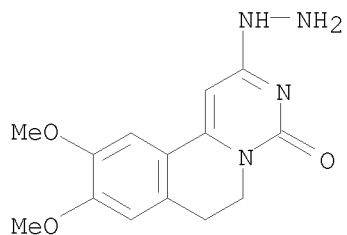


● HCl

RN 76536-03-3 CAPLUS

CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-hydrazone, monohydrochloride (9CI) (CA INDEX NAME)

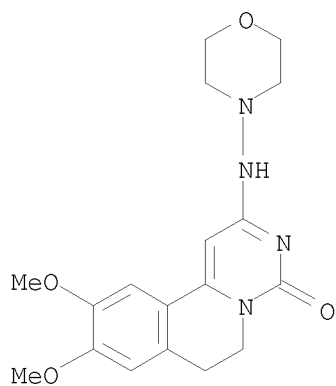
10/513699



● HCl

RN 76536-04-4 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(4-morpholinylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

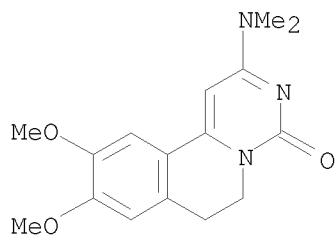


● HCl

RN 76536-11-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dimethylamino)-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

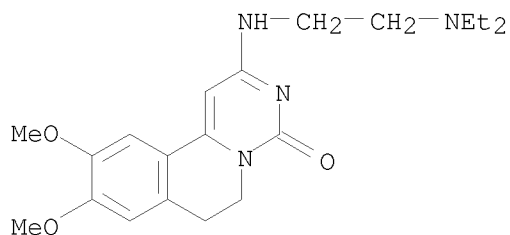
10/513699



● HCl

RN 76536-23-7 CAPLUS

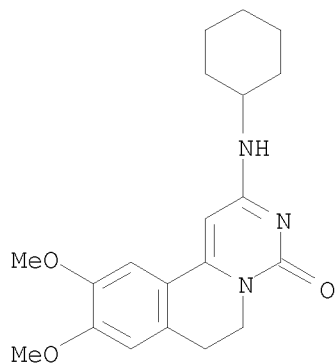
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(diethylamino)ethyl]amino]-6,7-dihydro-9,10-dimethoxy-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 76536-29-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclohexylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



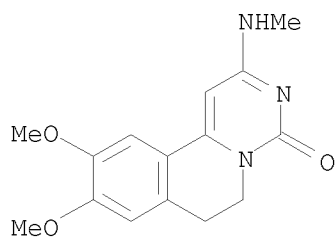
RN 91209-84-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(methylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

<12/04/2007>

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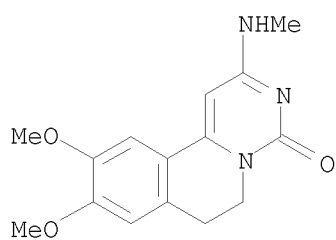
10/513699



● HCl

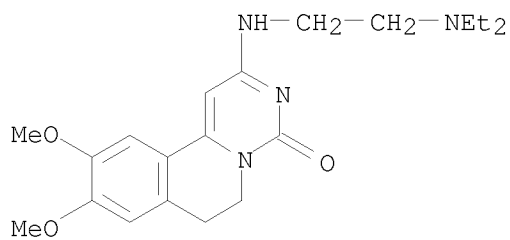
RN 91209-85-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(methylamino)- (CA INDEX NAME)



RN 91209-86-8 CAPLUS

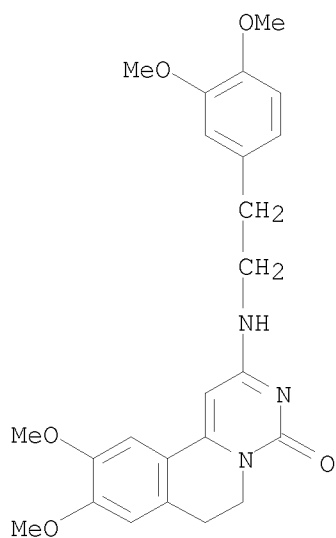
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(diethylamino)ethyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 91209-87-9 CAPLUS

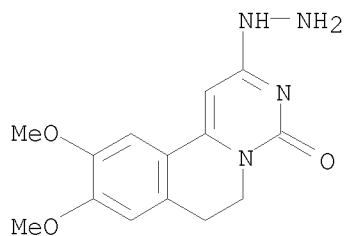
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



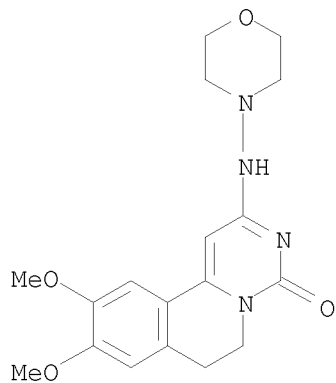
RN 91209-88-0 CAPLUS

CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-hydrazone (9CI) (CA INDEX NAME)



RN 91209-89-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(4-  
morpholinylamino)- (CA INDEX NAME)



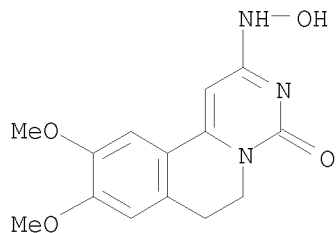
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10/513699

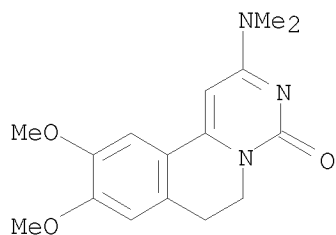
RN 91209-90-4 CAPLUS

CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-oxime (9CI) (CA INDEX NAME)



RN 91209-91-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dimethylamino)-6,7-dihydro-9,10-  
dimethoxy- (CA INDEX NAME)



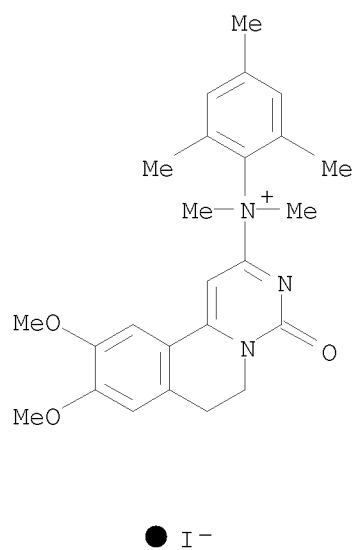
IT 91210-32-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 91210-32-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-2-aminium, 6,7-dihydro-9,10-dimethoxy-N,N-  
dimethyl-4-oxo-N-(2,4,6-trimethylphenyl)-, iodide (9CI) (CA INDEX NAME)

10/513699



<12/04/2007>

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L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1982:544868 CAPLUS

DOCUMENT NUMBER: 97:144868

ORIGINAL REFERENCE NO.: 97:24133a,24136a

TITLE: Pharmacologically active pyrimido[6,1-a]isoquinolin-4-one derivatives and their acid addition salts

INVENTOR(S): Lal, Bansi; Dornauer, Horst; Dohadwalla, Alihussein Nomanbha; Bhattacharya, Bani Kanta; Desouza, Noel John

PATENT ASSIGNEE(S): Hoechst Pharmaceuticals Ltd., India

SOURCE: Indian, 19 pp.

CODEN: INXXAP

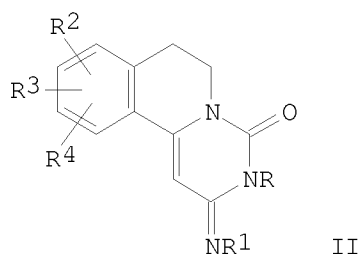
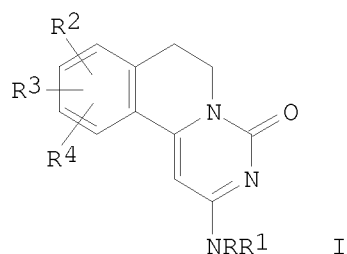
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 6

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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IN 149457	A1	19811212	IN 1979-BO358	19791221
IN 147624	A1	19800503	IN 1976-BO433	19761210
PRIORITY APPLN. INFO.: GI			IN 1976-BO433	19761210



AB Pyrimidoisoquinolines I and II [R = (un)substituted alkyl, cycloalkyl, aryl, acyl; R1 = H, amino, (un)substituted alkyl, aryl; R2-R4 = H, OH, (un)substituted alkoxy, acyloxy, halo, OCH2O, OCH2CH2O] were prepared I and II have antihypertensive, vasodilator, bronchodilator, and antiallergic activity (no data). Thus I (R = R4 = H, R1 = 2,4,6-Me3C6H2, R2 = 9-OMe, R3 = 10-OMe) was treated with MeI to give I and II (R = Me, R1 = 2,4,6-Me3C6H2, R2 = 9-OMe, R3 = 10-OMe, R4 = H).

IT 76536-66-8

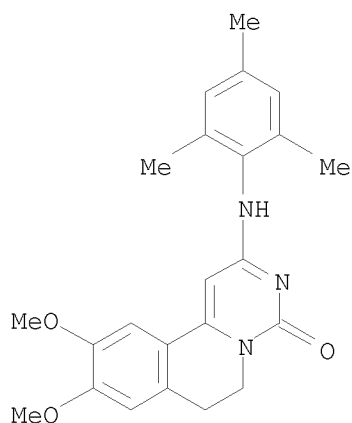
RL: RCT (Reactant); RACT (Reactant or reagent)  
(alkylation of)

RN 76536-66-8 CAPLUS

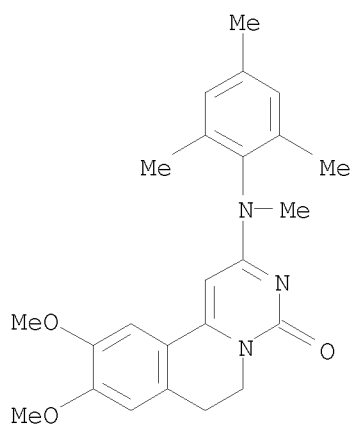
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



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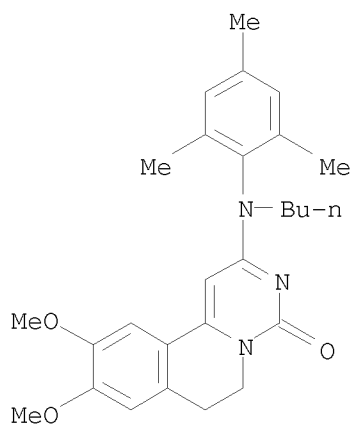
IT 76536-67-9P 76536-68-0P 76536-69-1P  
83070-39-7P 83070-40-0P 83070-45-5P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 76536-67-9 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-  
[methyl(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX  
NAME)



● HCl

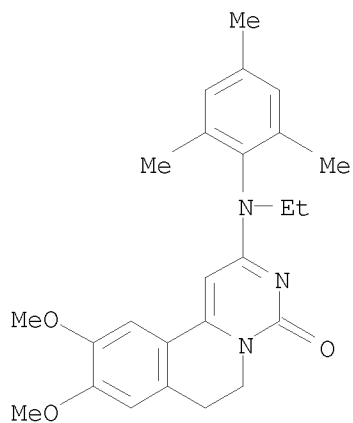
RN 76536-68-0 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[butyl(2,4,6-trimethylphenyl)amino]-  
6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-69-1 CAPLUS

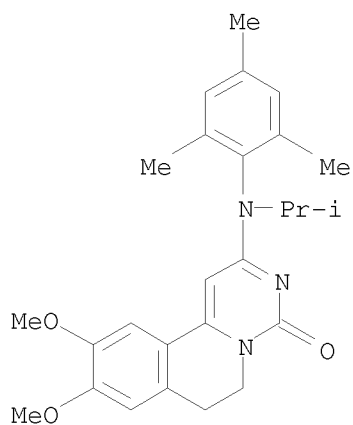
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[ethyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 83070-39-7 CAPLUS

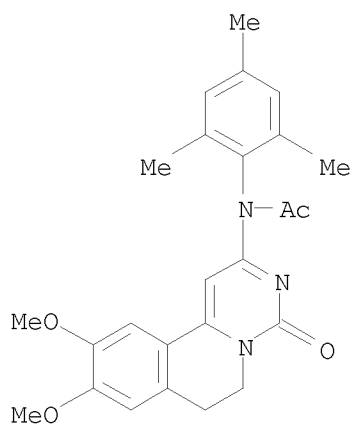
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



RN 83070-40-0 CAPLUS

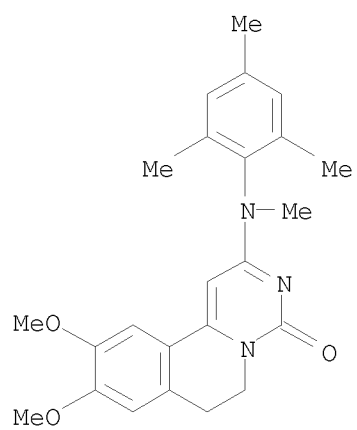
CN Acetamide, N-(6,7-dihydro-9,10-dimethoxy-4-oxo-4H-pyrimido[6,1-a]isoquinolin-2-yl)-N-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 83070-45-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)

10/513699



<12/04/2007>

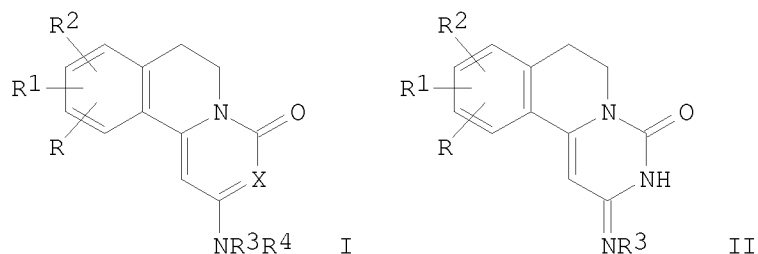
Erich Leese

L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1981:84152 CAPLUS  
 DOCUMENT NUMBER: 94:84152  
 ORIGINAL REFERENCE NO.: 94:13733a,13736a  
 TITLE: Pharmacologically active pyrimido[6,1-a]isoquinolin-4-one derivatives  
 PATENT ASSIGNEE(S): Hoechst Pharmaceuticals Ltd., India  
 SOURCE: Indian, 56 pp.  
 CODEN: INXXAP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 6  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 147624	A1	19800503	IN 1976-BO433	19761210
AU 7731411	A	19790614	AU 1977-31411	19771209
AU 527997	B2	19830331		
GB 1597717	A	19810909	GB 1977-51331	19771209
CA 1140123	A1	19830125	CA 1977-292819	19771209
IN 149457	A1	19811212	IN 1979-BO358	19791221
CA 1163629	A2	19840313	CA 1982-409262	19820811
PRIORITY APPLN. INFO.:			IN 1976-BO433	A 19761210
			DE 1977-2720085	A 19770505
			CA 1977-292819	A3 19771209

GI



AB 2-Halopyrimido[6,1-a]isoquinolin-4-ones, and 2-alkoxy, 2-mercapto, and 2-alkylthio analogs, reacted with amines to yield amino derivs. I and II [R, R<sup>1</sup>, and R<sup>2</sup> (same or different) are H, OH, alkoxy, (dialkylphosphinyl)alkoxy, acyloxy, halo, or two of R, R<sup>1</sup>, and R<sup>2</sup> (in adjacent positions) are O(CH<sub>2</sub>)<sub>n</sub>O (n = 1, 2); R<sup>3</sup> and R<sup>4</sup> (same or different) are H, alkyl, hydroxyalkyl, alkoxyalkyl, dialkoxyalkyl, haloalkyl, dialkylaminoalkyl, aralkyl, aryl, or R<sup>4</sup> = H and R<sup>3</sup> = OH, alkoxy, NH<sub>2</sub>, alkylamino, dialkylamino, arylamino, N,N-(polymethylene)imino, (heteroaryl)alkyl, or NR<sup>3</sup>R<sup>4</sup> form a heterocycle], useful as antihypertensives and bronchodilators and in the treatment of allergy (no data). A mixture of 9,10-dimethoxy-2-chloro-6,7-dihydro-4H-pyrimido[6,1-a]isoquinolin-4-one and Me<sub>3</sub>CNH<sub>2</sub> in CHCl<sub>3</sub> was refluxed to give I (R<sup>1</sup> = 10-MeO, R<sup>2</sup> = 9-MeO, R<sup>3</sup> = CMe<sub>3</sub>, R = R<sup>4</sup> = H).

IT 76536-01-1P 76536-02-2P 76536-03-3P  
 76536-04-4P 76536-05-5P 76536-06-6P  
 76536-07-7P 76536-08-8P 76536-10-2P

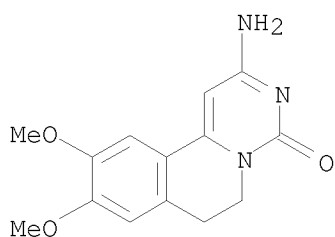
10/513699

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76536-15-7P 76536-16-8P 76536-19-1P  
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RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 76536-01-1 CAPLUS

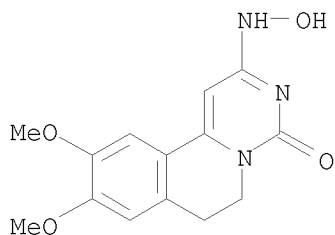
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-amino-6,7-dihydro-9,10-dimethoxy-,  
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-02-2 CAPLUS

CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,  
2-oxime, monohydrochloride (9CI) (CA INDEX NAME)



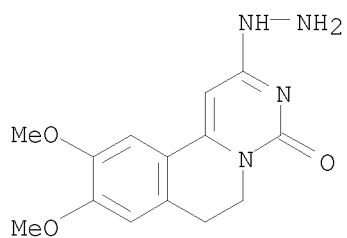
● HCl

RN 76536-03-3 CAPLUS

CN 2H-Pyrimido[6,1-a]isoquinoline-2,4(3H)-dione, 6,7-dihydro-9,10-dimethoxy-,

10/513699

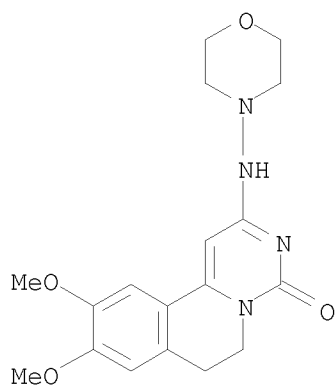
2-hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-04-4 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(4-morpholinylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

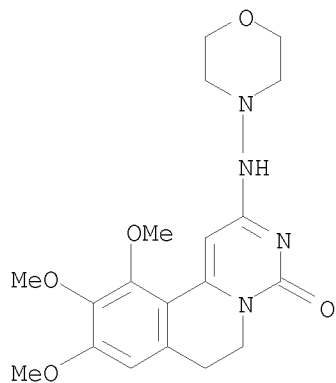


● HCl

RN 76536-05-5 CAPLUS

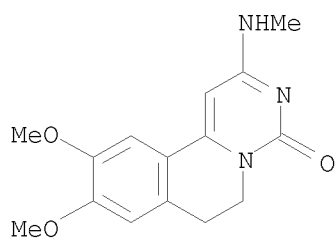
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10,11-trimethoxy-2-(4-morpholinylamino)- (CA INDEX NAME)

10/513699



RN 76536-06-6 CAPLUS

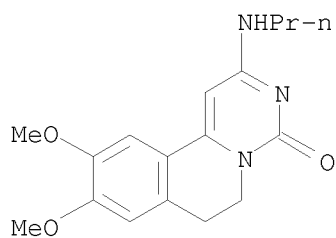
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(methylamino)-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 76536-07-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(propylamino)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-08-8 CAPLUS

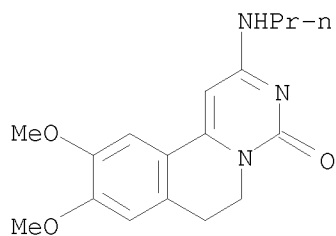
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(propylamino)- (CA INDEX NAME)

<12/04/2007>

Erich Leese

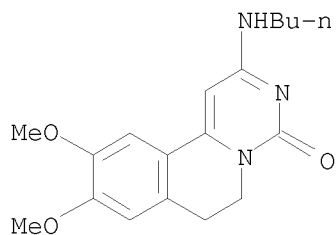


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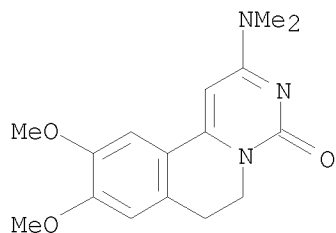
RN 76536-10-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(butylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-11-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dimethylamino)-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

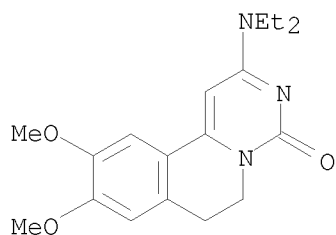


● HCl

RN 76536-12-4 CAPLUS

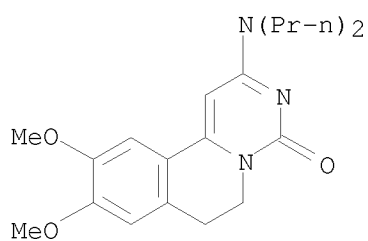
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(diethylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



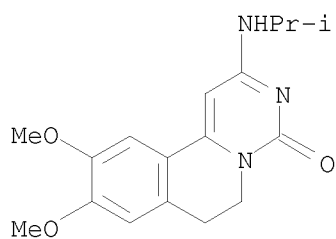
RN 76536-13-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(diethylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-15-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylethyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

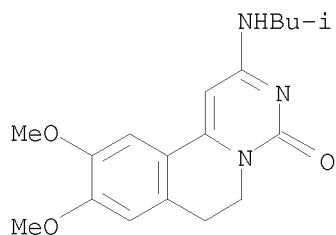


● HCl

RN 76536-16-8 CAPLUS

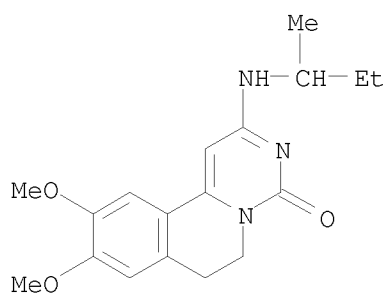
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2-methylpropyl)amino]- (CA INDEX NAME)

10/513699



RN 76536-19-1 CAPLUS

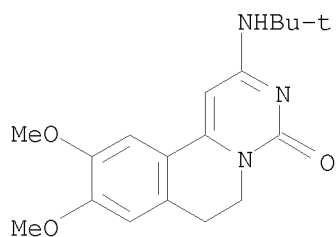
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylpropyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 76536-21-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

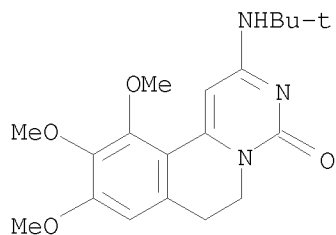


● HCl

RN 76536-22-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10,11-trimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

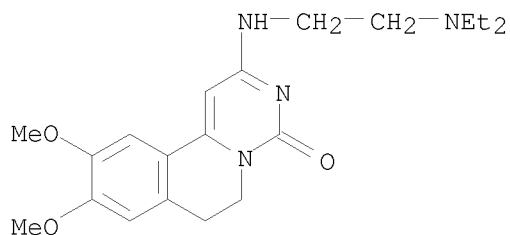
10/513699



● HCl

RN 76536-23-7 CAPLUS

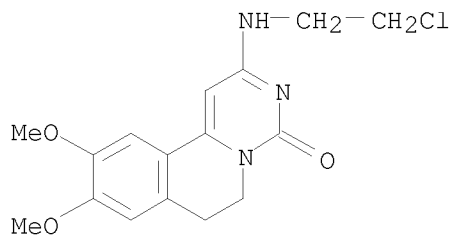
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[[2-(diethylamino)ethyl]amino]-6,7-dihydro-9,10-dimethoxy-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 76536-25-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chloroethyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

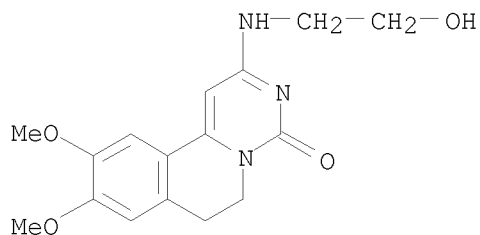


● HCl

RN 76536-26-0 CAPLUS

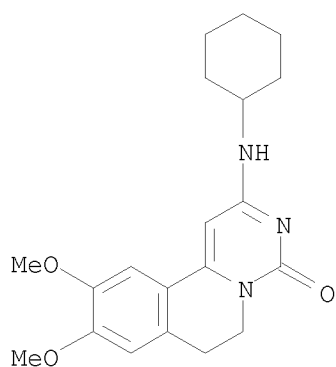
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-2-[(2-hydroxyethyl)amino]-9,10-dimethoxy- (CA INDEX NAME)

10/513699



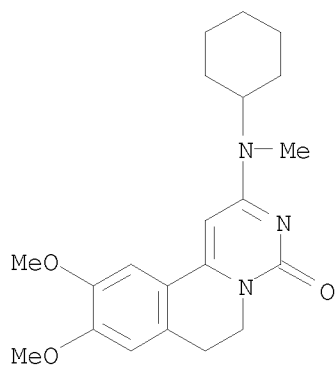
RN 76536-29-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclohexylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-30-6 CAPLUS

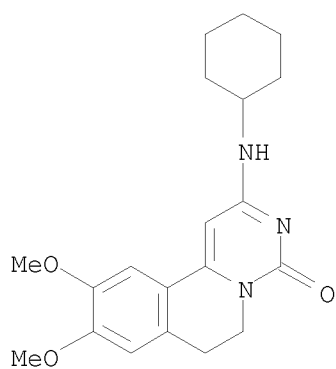
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclohexylmethylamino)-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-31-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(cyclohexylamino)-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

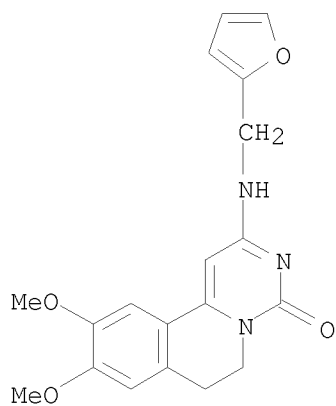
10/513699



● HCl

RN 76536-32-8 CAPLUS

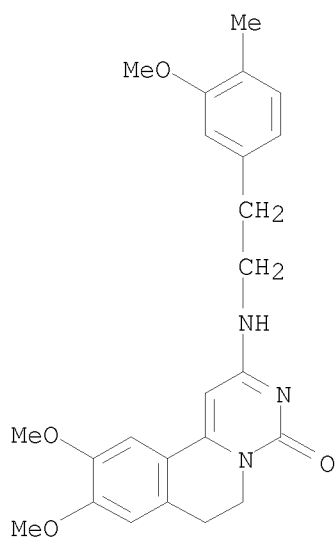
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-furanylmethyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-33-9 CAPLUS

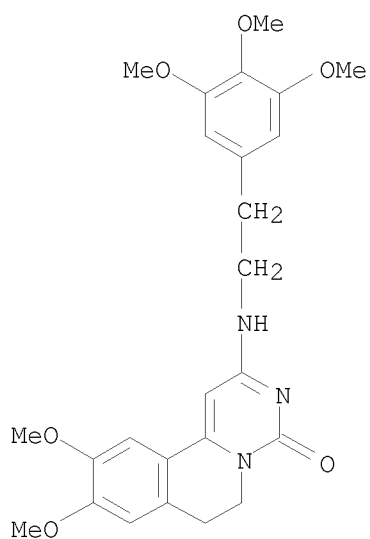
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[2-(3-methoxy-4-methylphenyl)ethyl]amino]- (CA INDEX NAME)

10/513699



RN 76536-34-0 CAPLUS

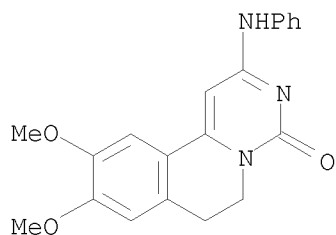
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[[2-(3,4,5-trimethoxyphenyl)ethyl]amino]- (CA INDEX NAME)



RN 76536-41-9 CAPLUS

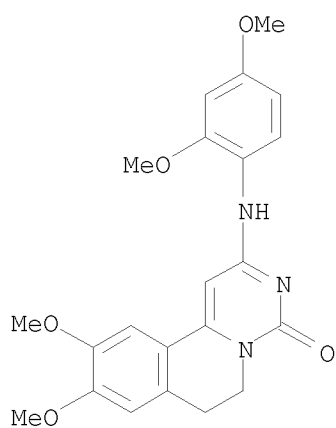
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-(phenylamino)- (CA INDEX NAME)

10/513699



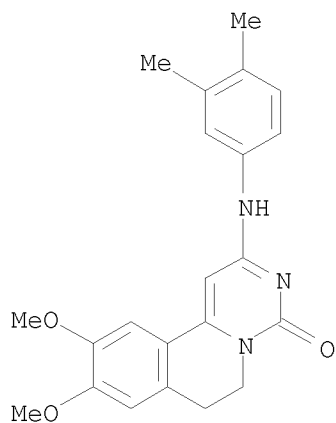
RN 76536-42-0 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-43-1 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,4-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



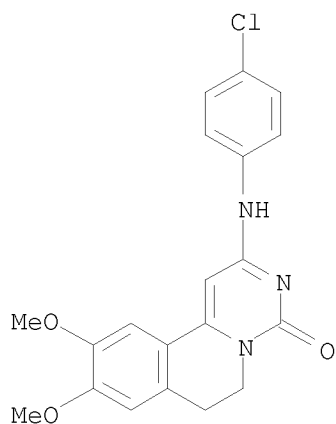
RN 76536-44-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-chlorophenyl)amino]-6,7-dihydro-



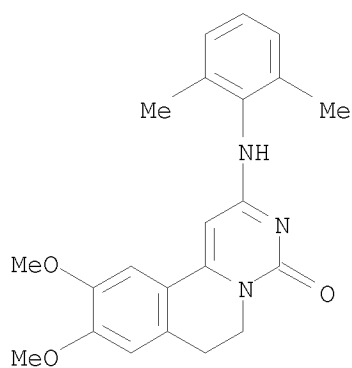
10/513699

9,10-dimethoxy- (CA INDEX NAME)



RN 76536-45-3 CAPLUS

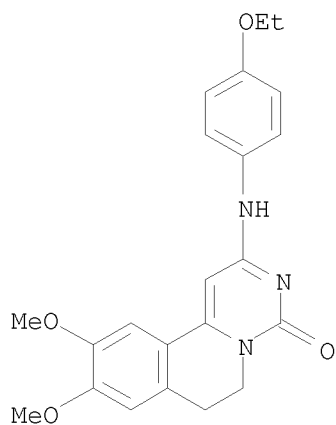
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-46-4 CAPLUS

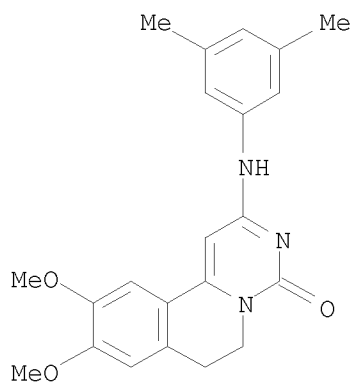
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(4-ethoxyphenyl)amino]-6,7-dihydroxy-9,10-dimethoxy- (9CI) (CA INDEX NAME)

10/513699



RN 76536-47-5 CAPLUS

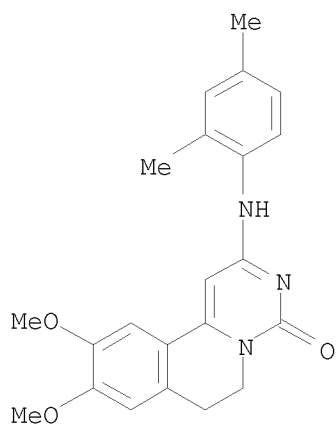
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,5-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (9CI) (CA INDEX NAME)



RN 76536-49-7 CAPLUS

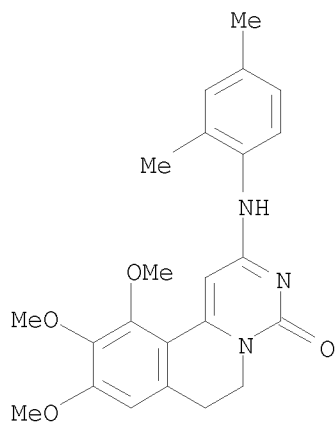
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-50-0 CAPLUS

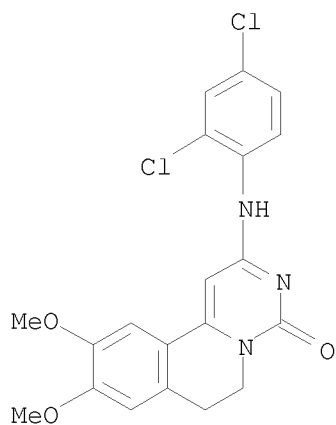
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dimethylphenyl)amino]-6,7-dihydro-9,10,11-trimethoxy- (CA INDEX NAME)



RN 76536-51-1 CAPLUS

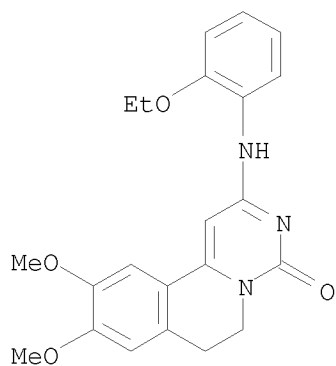
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,4-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-52-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

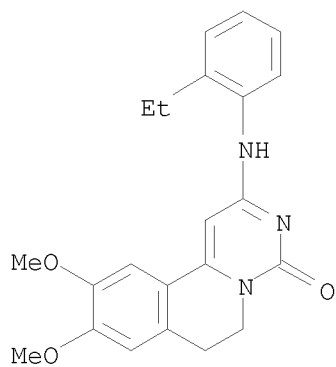


● HCl

RN 76536-53-3 CAPLUS

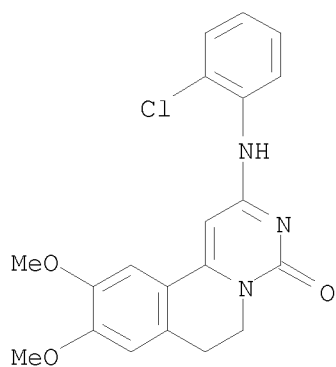
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-ethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-56-6 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2-chlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

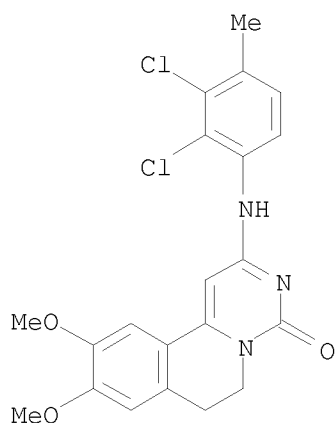


● HCl

RN 76536-57-7 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,3-dichloro-4-methylphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, dihydrochloride (9CI) (CA INDEX NAME)

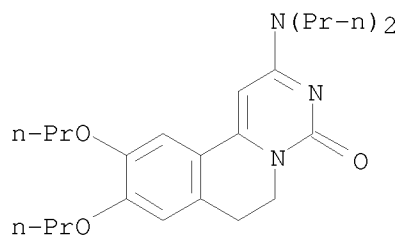
10/513699



● 2 HCl

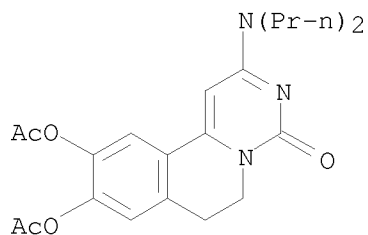
RN 76536-58-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-(dipropylamino)-6,7-dihydro-9,10-dipropoxy- (CA INDEX NAME)



RN 76536-60-2 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 9,10-bis(acetyloxy)-2-(dipropylamino)-6,7-dihydro- (CA INDEX NAME)



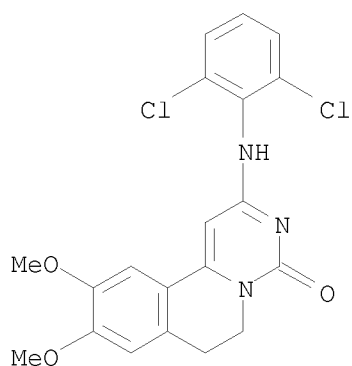
RN 76536-61-3 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(2,6-dichlorophenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

<12/04/2007>

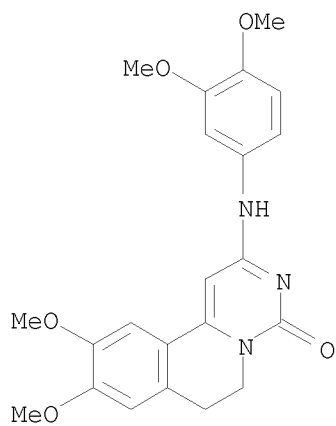
Erich Leese

10/513699



RN 76536-63-5 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(3,4-dimethoxyphenyl)amino]-6,7-dihydro-9,10-dimethoxy-, monohydrochloride (9CI) (CA INDEX NAME)

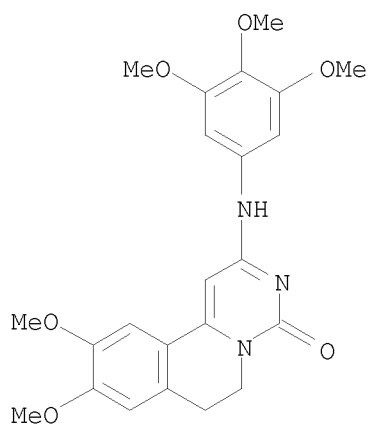


● HCl

RN 76536-64-6 CAPLUS

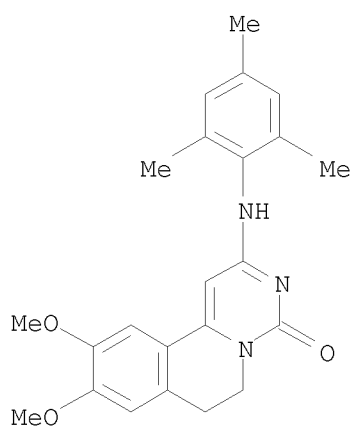
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(3,4,5-trimethoxyphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

10/513699



● HCl

RN 76536-65-7 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

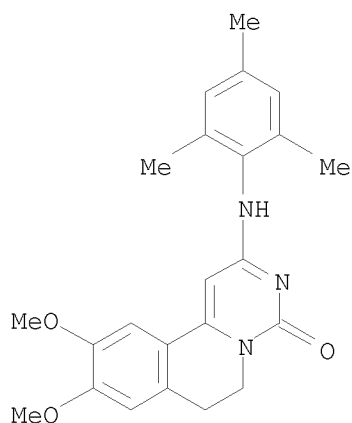


● HCl

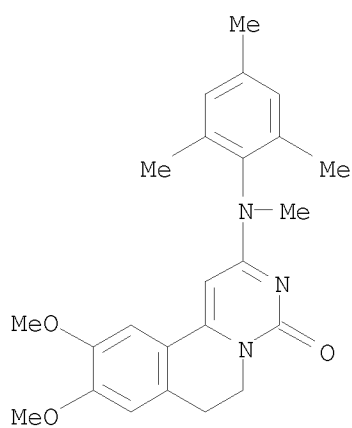
RN 76536-66-8 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trimethylphenyl)amino]- (CA INDEX NAME)



10/513699



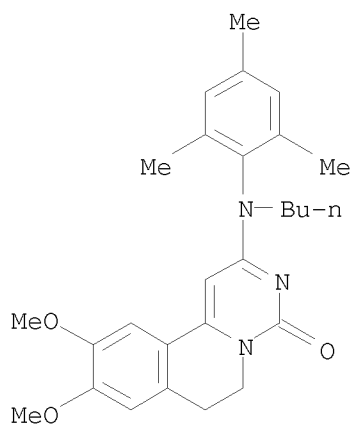
RN 76536-67-9 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[methyl(2,4,6-trimethylphenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

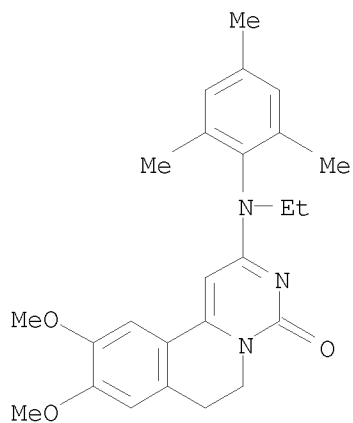
RN 76536-68-0 CAPLUS  
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[butyl(2,4,6-trimethylphenyl)amino]-, 6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)

10/513699



RN 76536-69-1 CAPLUS

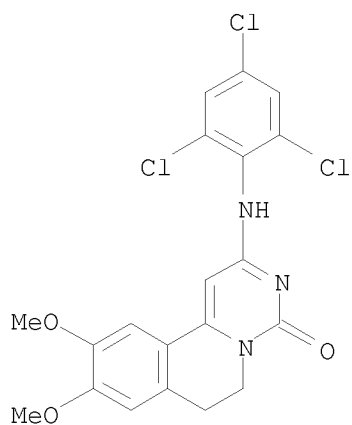
CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[ethyl(2,4,6-trimethylphenyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-70-4 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(2,4,6-trichlorophenyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

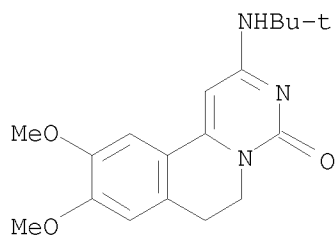
10/513699



● HCl

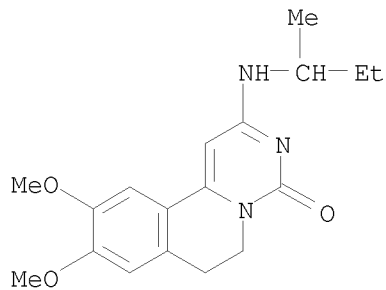
RN 76536-74-8 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 2-[(1,1-dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy- (CA INDEX NAME)



RN 76536-75-9 CAPLUS

CN 4H-Pyrimido[6,1-a]isoquinolin-4-one, 6,7-dihydro-9,10-dimethoxy-2-[(1-methylpropyl)amino]- (CA INDEX NAME)



<12/04/2007>

Erich Leese

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(FILE 'HOME' ENTERED AT 18:13:33 ON 07 OCT 2008)

FILE 'REGISTRY' ENTERED AT 18:14:34 ON 07 OCT 2008

L1 STRUCTURE UPLOADED

L2 STRUCTURE UPLOADED

L3 392 S L2 FULL

FILE 'CAPLUS' ENTERED AT 18:16:41 ON 07 OCT 2008

L4 14 S L3 FULL

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

76.78

256.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-11.20

-11.20

STN INTERNATIONAL LOGOFF AT 18:17:33 ON 07 OCT 2008